



Herbrand Tools

Van Chrome

DISTRIBUTED BY

HERBRAND TOOLS

DEALER
GEO. COOPER

BUSINESS PHONE
EM. 3-0808

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Tool Catalog 57

REVISED JULY, 1961



Tools of Quality **FOR 79 YEARS** BY *Herbrand*

Registered Trade mark

"Your Guarantee since 1881"

The trade mark HERBRAND or VAN CHROME is your unqualified guarantee against any defects in quality or workmanship. Each tool is designed and engineered with plus strength factors to perform the maximum service on the job for which it is intended. Any tool failing in this normal use may be returned prepaid to the factory, and if our inspection reveals the failure due to defective quality or workmanship, the tool will be repaired or replaced and returned without charge.

This guarantee does not cover:

1. ABUSE—such as improper use or application of excess torque on the tool.
2. ALTERATION—such as grinding, filing, heating or altering original shape.
3. NORMAL "WEAR-OUT"—the abrasion and fatigue of years of use will eventually "wear-out" any tool.

The Greatest Name in Tools Since 1881.

79 years of service and progress are combined to give you one of the oldest and most respected trade marks in mechanics hand tool history. HERBRAND and VAN CHROME are the trade marks of quality and a mark of distinction among fine mechanics throughout the world.

Tools are the vital link between man and machine. The skill of a fine mechanic is applied through his tools—and fine skills demand and deserve the best in tools. This has made HERBRAND the choice of fine mechanics for years.

CATALOGUE NUMBER 57

HERBRAND TOOLS ARE MADE IN CANADA

SECO TOOL CO., LTD.

90 Sherbourne St. - Toronto, Ontario



M-606
to
M-614



M-808
to
M-812



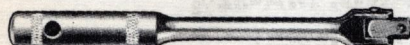
M-510
to
M-518



M-5



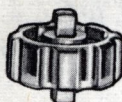
M-8



M-13



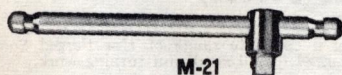
M-18



M-19



M-20



M-21

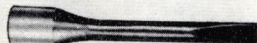


M-22

M-23



M-33



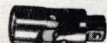
M-53 M-54 M-55



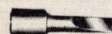
M-41, M-42, M-43



M-45



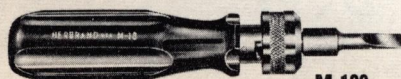
M-35



M-63, M-64, M-66



M-71



M-100

1/4" SQUARE DRIVE MIDGET "M" SERIES HANDLES & ATTACHMENTS

Only the finest alloy steels are used for the Mighty-Midget Socket Handles and Attachments. Drop forging and hot broaching operations, as well as most modern machining and hardening methods, provide the strongest and smallest 1/4" drive series available. Clean sharp socket teeth, smooth diameters and slim handles, denote the Van-Chrome quality. Chrome plated, walls and ends polished.

6-POINT SOCKETS REGULAR LENGTH

Number	Opening	O.A. Length	O.D. Socket End	Wt. Lbs. 10 Pcs.
M-606	3/16	1	1 9/64	1/4
M-607	7/32	1	2 1/64	1/4
M-608	1/4	1	3/8	1/4
M-609	9/32	1	25/64	1/4
M-610	5/16	1	7/16	5/16
M-611	11/32	1	1/2	5/16
M-612	3/8	1	9/16	7/16
M-614	7/16	1	5/8	1/2

8-POINT SOCKETS

M-808	1/4	1	29/64	3/8
M-810	5/16	1	9/16	1/2
M-812	3/8	1	21/32	5/8

6-POINT DEEP SOCKETS

M-510	5/16	2	7/16	3/4
M-512	3/8	2	9/16	3/4
M-514	7/16	2	5/8	1
M-515	15/32	2	5/8	1
M-516	1/2	2	11/16	1 1/8
M-518	9/16	2	3/4	1 1/8

- M-5 REVERSIBLE RATCHET. 24 teeth; 5 1/4" long.
M-8 RATCHET ADAPTER. 1/4" drive, 1 3/8" overall, 1" dia. Illustrated on page 9.
M-13 FLEXIBLE OFFSET HANDLE. 5 1/4" long.
M-18 SHORT SPIN HANDLE. Tenite II Grip; length over all 3 3/4".
M-19 QUICK SPIN HANDLE. 1 1/8" long.
M-20 SPINNER HANDLE. Tenite II grip. 6 1/4" long.
M-21 SLIDING T HANDLE. 4 1/2" long.
M-22 EXTENSION. 5 1/2" long.
M-23 EXTENSION. 2" long.
M-33 BAR HANDLE. 4 1/2" long; 1/4" diameter.
M-35 UNIVERSAL JOINT. 1 1/32" long; outside dia. 1/2".
M-41 No. 1 PHILLIPS BIT. 1 5/8" long.
M-42 No. 2 PHILLIPS BIT. 1 5/8" long.
M-43 No. 3 PHILLIPS BIT. 1 5/8" long.
M-45 PHILLIPS SCREW DRIVER BIT. No. 2 point. 2" long.
M-53 SLOT SCREW DRIVER. Bit width 3/16"; 3 1/4" long.
M-54 SLOT SCREW DRIVER. Bit width 1/4"; 3 1/4" long.
M-55 SLOT SCREW DRIVER. Bit width 5/16"; 3 1/4" long.
M-63 3/16" SLOT SCREW DRIVER BIT. 1 5/8" long.
M-64 1/4" SLOT SCREW DRIVER BIT. 1 5/8" long.
M-66 3/8" SLOT SCREW DRIVER BIT. 1 5/8" long.
M-71 SPECIAL CHEVROLET DIST. SOCKET. For point removal on all Chevrolet 1953-54.

M-100 Ratchet-Driver—A 3-piece set consisting of an M-18, M-8 and M-63. A ratcheting screw driver for close work—adaptable to all 1/4" drive attachments.



Set No. MA-52 1/2



Set No. MA-53 1/2



Set No. MA-56 1/2

Van-Chrome Midget Series Socket and Small Nut-Turning Sets

1/4" Square Drive

Triple Alloy Steel

These carefully planned sets incorporate all the necessary Midget Sockets, Tiny Wrenches and Accessories that fill a very definite need where delicate adjustments require a precision touch rather than power and leverage. They obviate the use of cumbersome and awkward tools that invariably cause damage to costly, delicate parts.

SET NO. MA-52 1/2 (10 Pieces)

Takes care of the popular sizes of small nuts used on aircraft, radio, automotive, electrical and other equipment.

Contents: Six 6-point Sockets 1/4", 5/16", 3/8", 7/16", 1/2", 5/8". Three 8-point Sockets 1/4", 3/8", 1/2". Spinner Handle No. M-20.

SET NO. MA-52 1/2, in No. B401 fitted metal box.

NET PRICE, complete

SET NO. MA-53 1/2 (16 Pieces)

A compact Socket Set carrying a complete range of Hot Forged Sockets and necessary Handle Units required for all small nut-turning work.

Contents: Eight 6-point "Van-Chrome" Sockets 3/16", 1/8", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4". Three 8-point Sockets 1/4", 3/8", 1/2". M-5 Ratchet, M-13 Flex Handle, 5 1/2" Extension No. M-22, 2" Extension No. M-23 and M-33 Bar. See page 5 for full description of contents.

SET NO. MA-53 1/2, in No. B401 fitted metal box.

NET PRICE, complete

SET NO. MA-56 1/2 (31 Pieces)

Here is the set that provides the utmost in Miniature Tools for all midget nuts, bolts or screws and for any work so frequently encountered where parts are small and working space limited.

Contents: Ten Hot Forged 1/4" Drive Sockets listed on page 2 (No. M-812 not included), with openings from 1/16" to 1/4". Eight Handles and Attachments: M-5 Reversible Ratchet, M-13 Flex Handle, M-20 Spinner Handle, M-21 Sliding T Handle, M-22 Extension 5 1/2", M-23 Extension 2", M-33 T Bar, M-45 Phillips Screw Driver Bit. Five Miniature Open End Wrenches Nos. 81, 83, 85, 87, 89 shown on page 22. Ignition Plier No. 167. Four Midget Box Wrenches shown on page 22. Two Shockproof Handle Screw Drivers Nos. 310 (2" blade), 311A (6" blade).

SET NO. MA-56 1/2, in fitted metal box. Weight 4 lbs.

NET PRICE, complete

See Pages 29 to 31 for other Electrical and Ignition Tools

Junior Series "Van-Chrome" Sockets

$\frac{3}{8}$ " Square Drive—Thin Straight Walls

Hot Forged from Chrome Molybdenum Steel

Small—Slender—Straight—Thinwalled—yet mighty in performance. Extra strength is Hot Forged into them. Advanced features of design provide unequalled advantages of speed and utility. Heat treated, have lock-on feature. Chrome plated, polished walls.

12-POINT (HEXAGON) SOCKETS

Number	Opening	Height	Dealer Net Price Each
J-112	$\frac{3}{8}$	$1\frac{15}{16}$	
J-114	$\frac{7}{16}$	$1\frac{15}{16}$	
J-116	$\frac{1}{2}$	$2\frac{1}{2}$	
J-118	$\frac{9}{16}$	$2\frac{1}{2}$	
J-120	$\frac{5}{8}$	$1\frac{1}{2}$	
J-122	$1\frac{1}{16}$	$1\frac{1}{2}$	
J-124	$\frac{3}{4}$	$1\frac{1}{2}$	

8-POINT (SQUARE) SOCKETS

J-212	$\frac{3}{8}$	$1\frac{1}{2}$	
J-214	$\frac{7}{16}$	$1\frac{1}{2}$	
J-216	$\frac{1}{2}$	$1\frac{1}{2}$	

4-POINT (SQUARE) SOCKETS

+J-509	$\frac{9}{16}$	These 4-point (square) sockets fit the pipe plugs used for drainage on many new model cars.
J-510	$\frac{5}{8}$	
J-512	$\frac{3}{4}$	

6-POINT (HEXAGON) SOCKETS

Increasing service work on modern motors has created a definite need for 6-point sockets. They take a positive grip on all points of hex nuts even when distorted. Especially practical and necessary for aircraft motors.

J-608	$\frac{1}{4}$	1	
J-610	$\frac{5}{16}$	$1\frac{1}{8}$	
J-612	$\frac{3}{8}$	$1\frac{1}{8}$	
J-614	$\frac{7}{16}$	$1\frac{1}{8}$	
J-616	$\frac{1}{2}$	$1\frac{1}{8}$	
J-618	$\frac{9}{16}$	1	
J-620	$\frac{5}{8}$	1	
J-622	$1\frac{1}{16}$	$1\frac{1}{8}$	
J-624	$\frac{3}{4}$	$1\frac{1}{8}$	
J-626	$1\frac{1}{16}$	$1\frac{1}{8}$	
J-628	$\frac{7}{8}$	$1\frac{1}{8}$	

HOLDIT-SOCKETS

Special with spring tension pins in side walls for drain plug in Chrysler and Hudson flywheel Housings.

JH-622	$\frac{11}{16}$	fits Hudson
JC-624	$\frac{3}{4}$	fits Chrysler

FLEXIBLE 6-POINT SOCKETS

Equipped with tension spring—holds at any desired angle.

J-912	$\frac{3}{8}$	$1\frac{1}{2}$	
J-914	$\frac{7}{16}$	$1\frac{15}{16}$	
J-916	$\frac{1}{2}$	$1\frac{1}{2}$	
J-918	$\frac{9}{16}$	$1\frac{3}{4}$	
J-920	$\frac{5}{8}$	$1\frac{3}{4}$	
J-922	$1\frac{1}{16}$	$1\frac{3}{4}$	
J-924	$\frac{3}{4}$	$1\frac{7}{8}$	

FLEXIBLE 12-POINT SOCKETS

Equipped with tension spring—holds at any desired angle.

J-318	$\frac{1}{16}$	$1\frac{3}{4}$	
J-320	$\frac{5}{8}$	$1\frac{3}{4}$	
J-322	$1\frac{1}{16}$	$1\frac{3}{4}$	
J-324	$\frac{3}{4}$	$1\frac{7}{8}$	

EXTRA DEEP 12-POINT SOCKETS

J-414	$\frac{7}{16}$	2	
J-416	$\frac{1}{2}$	2	
J-418	$\frac{9}{16}$	2	
J-420	$\frac{5}{8}$	$2\frac{1}{2}$	
J-422	$1\frac{1}{16}$	$2\frac{1}{2}$	
J-424	$\frac{3}{4}$	$2\frac{1}{2}$	

14MM SPARK PLUG HOLDING SOCKET

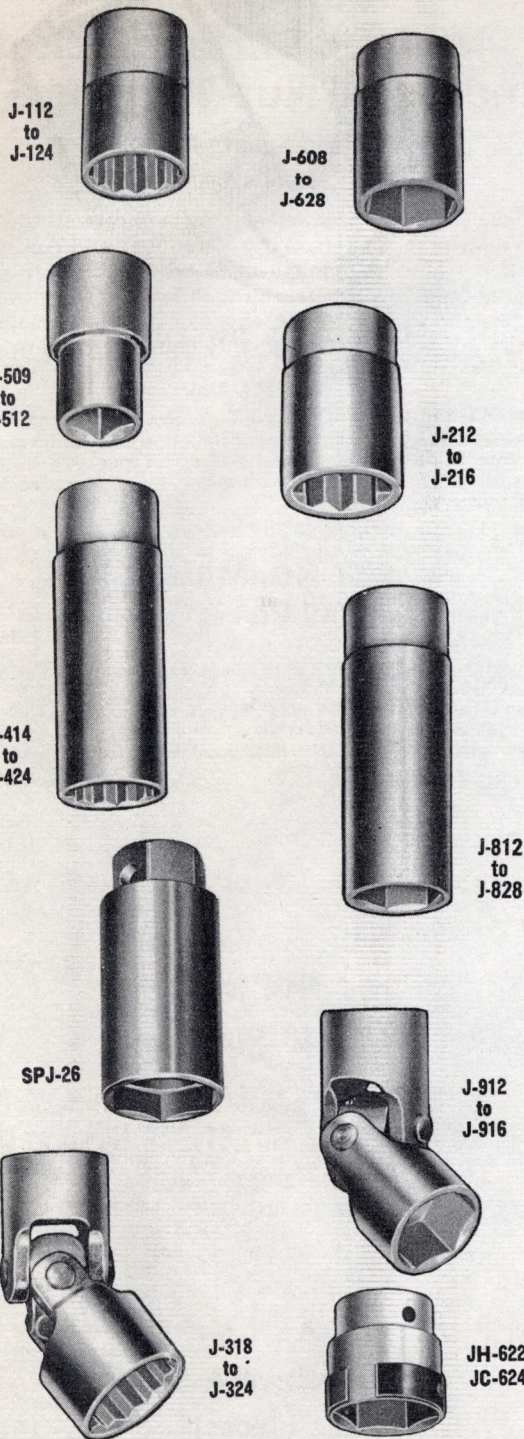
*SPJ-26	$1\frac{1}{8}$	$2\frac{1}{2}$	
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*Has Rubber insert and $\frac{3}{4}$ " Hex. Drive.

EXTRA DEEP 6-POINT (HEXAGON) SOCKETS

J-810	$\frac{3}{16}$	2	
J-812	$\frac{9}{16}$	2	
J-814	$\frac{7}{16}$	2	
J-816	$\frac{1}{2}$	2	
J-818	$\frac{9}{16}$	2	
J-820	$\frac{5}{8}$	$2\frac{1}{2}$	
J-822	$1\frac{1}{16}$	$2\frac{1}{2}$	
J-824	$\frac{3}{4}$	$2\frac{1}{2}$	
*J-826	$1\frac{1}{16}$	$2\frac{1}{2}$	
J-828	$\frac{7}{8}$	$2\frac{1}{2}$	

For $\frac{3}{8}$ " Drive Metric Sockets see page 27



Herbrand's **Hot Forging** eliminates all unnecessary bulk, and the extra thin, straight side walls banish clearance problems. The drive ends are machined down to a narrow offset shoulder which further reduces weight, bulk and clumsiness. The height of each socket is graduated to a definite engineering formula to balance with the size of the openings. They are heavily knurled and equipped with positive lock-on.

Herbrand Makes Only One Grade of Socket Wrenches

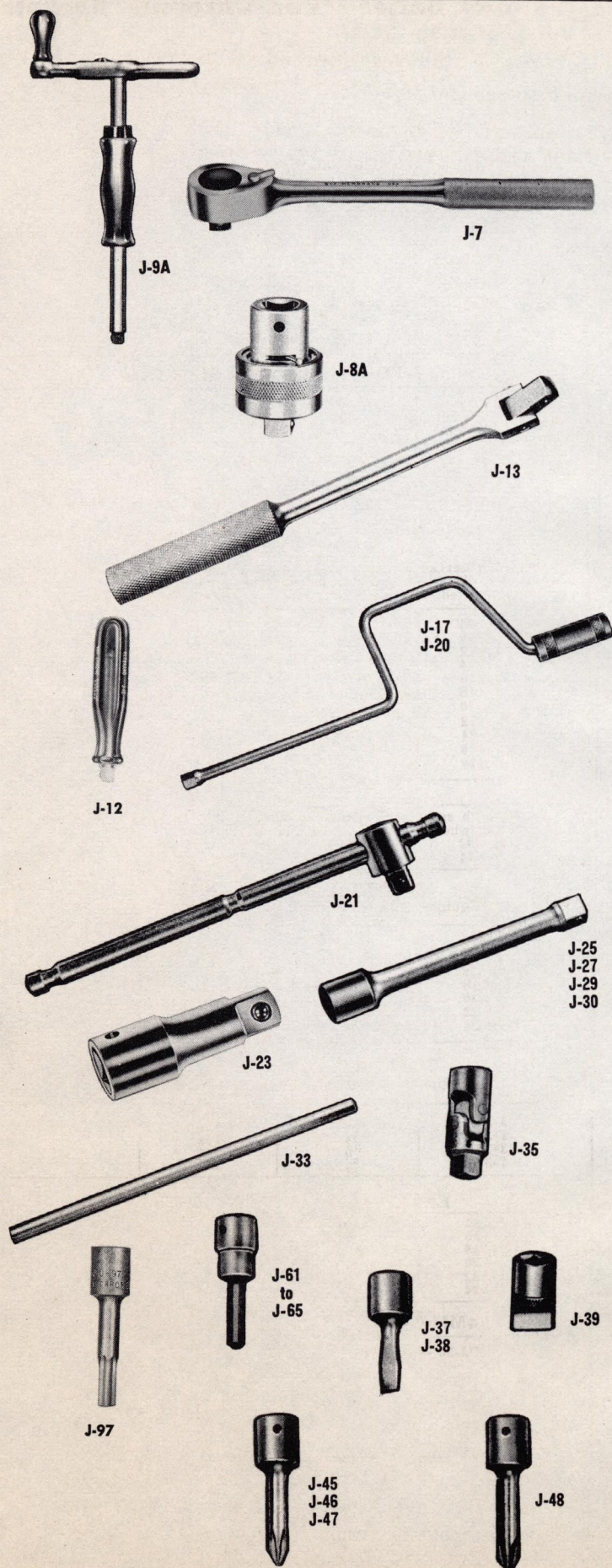
Only the best grade of Sockets and Handles give complete satisfaction. Herbrand does not mislead or confuse the trade with different or inferior grades. The trade name Herbrand "Van-Chrome" stands for perfection.

Junior Series Handles and Attachments

3/8" Square Drive—Extra Strong and Rigid

Drop Forged from Chrome Molybdenum Steel

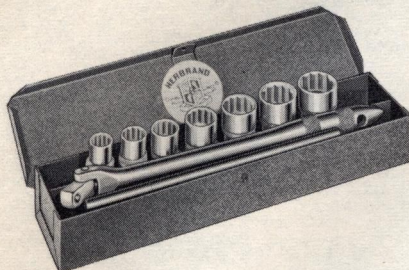
"Van-Chrome" Handles are correctly designed and proportioned to deliver the utmost speed and ease of handling. All unnecessary weight and clumsiness are eliminated. Comfortable grips contribute to their efficiency and careful heat treatment imparts extra strength and rigidity. Heavily chrome plated with brightly polished ends and faces. Equipped with friction balls to firmly engage the sockets and eliminate the danger of having them drop off in tight places. All Van-Chrome Handles are fully guaranteed.



No.	DESCRIPTION
J-7	JUNIOR REVERSIBLE RATCHET OF EXCLUSIVE HERBRAND DESIGN. Positive thumb control instantly reversible to operate the 36th of a turn either right or left. No delicate or complicated parts to cause grief; designed to operate in close, cramped quarters. Solid drop forged handle. Amazingly strong. Length 7". NET PRICE EACH
J-8A	3/8" DRIVE RATCHET ADAPTER, 20 teeth 1 1/2" long..
J-9A	SPEEDRATCHET. Versatile reversible ratchet tool. Combination extension, spinner handle, T handle ratchet. 12" long.
J-12	SPINNER HANDLE. Length 5".
J-13	FLEXIBLE OFFSET HANDLE. A flex handle, a swivel handle, an offset handle, a T handle and a nut spinner all in one. Perfectly balanced with a compact swivel joint on a comfortable grip, knurled handle. A friction ball holds the drive tip firmly at any angle. The handle is cross drilled to insert a T bar when needed. Length 8 3/4". NET PRICE EACH.
J-17	SPEEDER HANDLE. Forged solid. Light and slim, designed for extra speed and more clearance. Has a special knurled revolving handle for perfect grip. Length 17". NET PRICE EACH.
J-20	SPEEDER HANDLE. Same as J-17 except 34" long. This special length gives the fender clearance required to remove side motor plates.
J-21	SLIDING T HANDLE. The forged head slides flush to the ends making an offset wrench. A friction ball holds the head firmly at any point on the bar. Length 8". NET PRICE EACH.
J-23	EXTENSIONS. Forged solid and cross drilled for use with T Bar J-33. The drive end is forged with an off-set shoulder which acts as a positive stop. Equipped with lock-on feature.
J-25	EXTENSION, 1 3/4" long.
J-27	EXTENSION, 3' long. NET PRICE.
J-29	EXTENSION, 5' long. NET PRICE.
J-30	EXTENSION, 11' long. NET PRICE.
J-31	EXTENSION, 20' long. NET PRICE.
J-33	EXTENSION, 24" long. NET PRICE.
J-35	T HANDLE BAR. Used to form a T with all Herbrand Handles which are cross drilled for this purpose. Length 6 1/2". NET PRICE.
J-37	UNIVERSAL JOINT, improved, short coupled, positive locking, facilitates adjustments in inaccessible places. Reaches where other universals fail. Equipped with compression springs to retain any working position desired. NET PRICE.
J-38	SLOTTED SCREW DRIVER ATTACHMENT 1/4" Bit, Length 2"
J-39	SLOTTED SCREW DRIVER 3/8" Bit, Length 2 1/2"
J-45	DRAG LINK SOCKET. A screw driver type socket with a 1/16" bit. Necessary for tightening slotted nuts on shock absorbers, steering gear assemblies, etc., Overall length 1 1/8". NET PRICE.
SCREWDRIVER ATTACHMENTS	
J-45	No. 2 Phillips Replaceable Bit. 2" long. O.A.L. 2 1/2".
J-46	No. 3 Phillips Replaceable Bit. 2" long. O.A.L. 2 1/2".
J-47	No. 4 Phillips Replaceable Bit. 2" long. O.A.L. 2 1/2".
J-48	1/4" REED & PRINCE Screw driver Bit. Length 2 1/2"
J-61	HEX BIT SOCKET. 3/16" replaceable bit 2" long; O.A.L. 2 3/4"
J-62	HEX BIT SOCKET. 1/8" replaceable bit 1 1/4" long; O.A.L. 2 3/4"
J-63	HEX BIT SOCKET. 3/16" replaceable bit 1 1/4" long; O.A.L. 2 3/4"
J-64	HEX BIT SOCKET. 1/8" replaceable bit 1 1/4" long; O.A.L. 2 3/4"
J-65	HEX BIT SOCKET. 3/16" replaceable bit 1 1/4" long; O.A.L. 2 3/4"
*J-97	3/16" CLUTCH HEAD DRIVER. Bit Length 2 1/2".
*Correct size for screws on "Ford" door striker plates.	
SOCKET ADAPTORS	
A-388	1/4" Female to 3/8" Male
A-389	3/8" Female to 1/2" Male

12 Point 3/8" Drive Socket Sets
Hot Forged — Extra Thin Side Walls — Fully Guaranteed
Hot Forged from Chrome Molybdenum Steel

Complete Sets of Quality Sockets and Handles may be inexpensively built to suit individual needs. The selected Sets of properly graduated Junior Series Sockets listed on this page are the most popular and efficient within their size range. Available in fitted, substantial metal boxes or cardboard containers.



JUNIOR FLEX SET No. JA-60 1/2

Popular with mechanics, electricians and car owners.
Contents, total of 9 pieces:—7 "Van-Chrome" 12-point sockets Nos. J-112, J-114, J-116, J-118, J-120, J-122, J-124, providing a range of opening sizes from 3/8" to 3/4" inclusive.

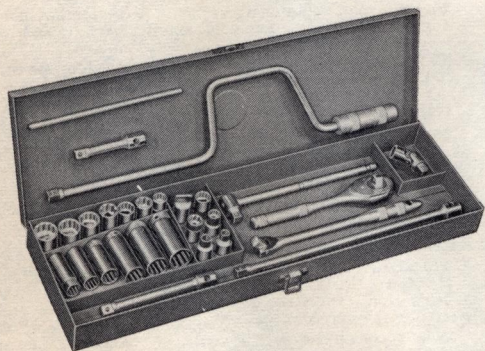
Junior Flexible Handle J-13.

SET No. JA-60, in fibre box. Weight 1 lb.

NET PRICE, complete -----

SET No. JA-60 1/2, in No. B601 metal box. Weight 2 lbs.

NET PRICE, complete -----



JUNIOR SOCKET SET No. JA-65 1/2

A comprehensive assortment of Junior 3/8" drive Sockets, Handles and Attachments. Its broad range of service covers the wide variety of small nuts daily encountered on motors, airplanes, refrigerators, radios, electrical devices and automobiles.

Contents, total of 28 pieces:—7 12-point Sockets, Nos. J-112, J-114, J-116, J-118, J-120, J-122 and J-124, with openings from 3/8" to 3/4". 6-point Sockets J-608 and J-610, with openings 1/4" and 5/16". 8-point sockets J-212, J-214 and J-216 with openings of 3/8", 7/16" and 1/2". 6 Extra Deep Sockets J-414 to J-424 inclusive providing openings from 7/16" to 3/4". Reversible Ratchet J-7, new improved design. Flex Handle J-13. Speed Handle J-17. Sliding T J-21. 3" Extension J-25. 5" Extension J-27. 11" Extension J-29. Universal Joint J-35. Drag Link J-39. These tools are described on pages 4 and 5.

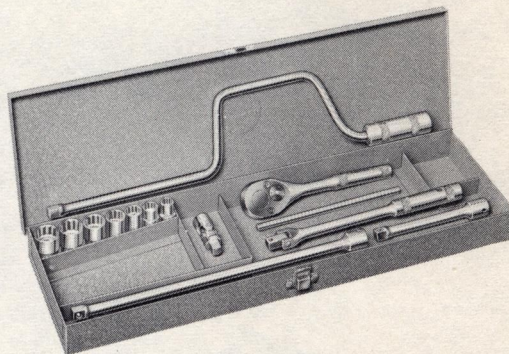
SET No. JA-65, in fibre box. Weight 5 1/2 lbs.

NET PRICE, complete -----

SET No. JA-65 1/2, in No. B602 metal box. Weight 7 1/2 lbs.

NET PRICE, complete -----

See next page for additional 3/8" drive Socket Sets



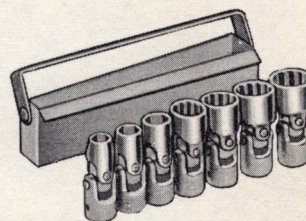
DELUXE SOCKET SET No. JA-62 1/2

15 pieces—3/8" Drive

This well balanced set includes seven 12 point sockets—3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"; Reversible ratchet, flex handle. Extensions 5" and 11" Speeder, Universal Joint, No. B602 Metal Box.

No. JA-62 1/2 set complete in metal box.

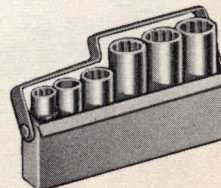
NET PRICE



JA-52

No. JA-52—Flex Socket Set, 3/8" Drive

Contains: 6 Point Sockets—3/8", 7/16", 1/2", 12 Point Sockets—9/16", 5/8", 11/16", 3/4". No. B652 Metal Tray. NET PRICE



JA-53

No. JA-53—7 Piece, 12 Point Deep Socket Set, 3/8" Drive

Contains: Sockets—7/16", 1/2", 9/16", 5/8", 11/16", 3/4". No. B653 Metal Tray. NET PRICE.....

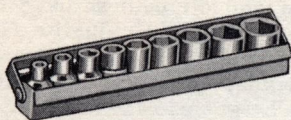
The Junior Series Sockets included in these Sets are all Hot Forged with straight, thin side walls. Openings are extra deep, smooth, clean cut and accurate. The light weight Handles and Attachments are designed for perfect balance and efficiency.

6 Point 3/8" Drive Socket Sets

Hot Forged — Extra Thin Side Walls — Fully Guaranteed

6 Point Sockets are the Mechanic's Choice to-day in 3/8" drive.

These carefully planned sets cover a wide range of service at incomparable value.



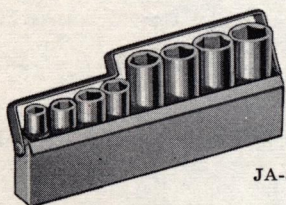
JA-51

No. JA-51—6 Point Socket Set, 3/8" Drive

Contains nine 6 Point Sockets—1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4". Complete in No. B-651 Metal Tray.

SET NO. JA49 — Sockets only in bulk.....

SET NO. JA47 — (not illustrated) contains seven regular length 6 point sockets 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", in bulk.....



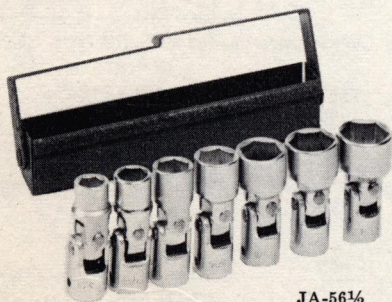
JA-54

No. JA-54—9 PIECE, 6 POINT DEEP SOCKET SET

Contains eight sockets—3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16". Metal Tray.

SET NO. JA-54 — Complete in No. B654 Metal Tray.....

SET NO. JA-546 — Sockets only in bulk.....



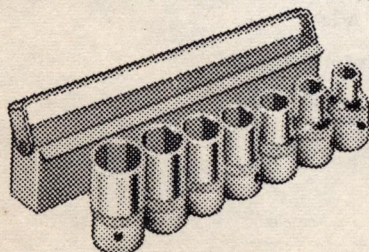
JA-56 1/2

No. JA-56 1/2—6 POINT FLEX SOCKET SET

Contains 7, 3/8" drive 6 point flex sockets with spring tension construction 3/8", 7/16", 1/2", 9/16", 5/8", 11/16" and 3/4".

SET NO. JA-56 1/2 — Complete in No. B652 metal tray.....

SET NO. JA-56 — Sockets only in bulk.....



METRIC SET NO. JA-57 1/2 M

Contains seven regular length 6 pt. Sockets 9MM, 10MM, 11MM, 12MM, 14MM, 17MM and 19MM. The most popular range for service.

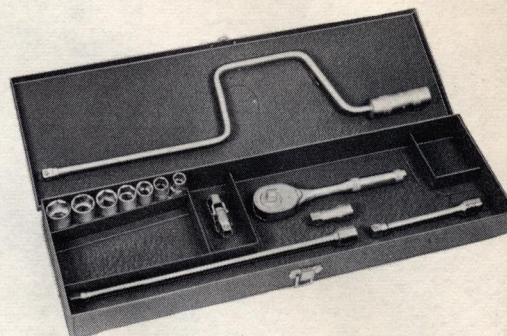
SET NO. JA57 1/2 M — Complete in B651 tray.....

SET NO. JA57M — Sockets only in fibre box.....

SET NO. JA511 1/2 M — Contains 11 Metric Sockets JM-609 to JM-619 (9MM to 19MM) in B857 metal tray.....

SET NO. JA511M — Same as above in cardboard box.....

For individual Metric Sockets see page 27.



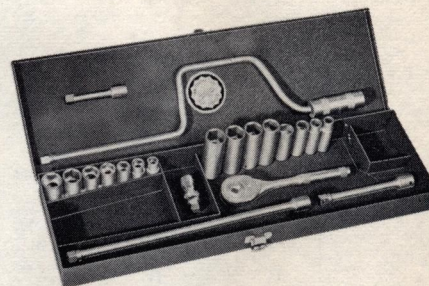
SOCKET SET No. JA-626 1/2

A basis assortment of Junior 6 point 3/8" drive sockets and handles which cover a wide range of service in automotive, electrical, aviation and refrigerator work.

Contains total of 15 pieces:—7 Van-Chrome 6 point sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16" and 3/4". Junior reversible ratchet J-7, 17" speeder No. J-17, Universal Joint No. J-35, Extensions: J-23, 13 1/4" long; J-27, 5" long; J-29, 11" long.

SET NO. JA-626 1/2 — Complete in B602 Metal Box.....

SET NO. JA-626 is tools only in bulk.....



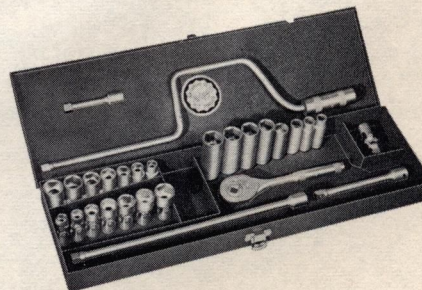
SOCKET SET No. JA-656 1/2

A well balanced assortment of Junior 6 point 3/8" drive sockets and handles.

Contents (total 23 pieces) are the same as for the JA-626 1/2 set plus 8 Deep 6 point sockets 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" and the popular 13/16" for spark plug work.

SET NO. JA-656 1/2 — Complete in B602 Metal Box.....

SET NO. JA-656 is tools only in bulk.....



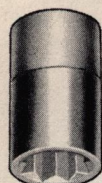
SOCKET SET No. JA-676 1/2

A comprehensive assortment of 3/8" drive 6 point sockets and handles. Its broad range of coverage covers a wide variety of uses.

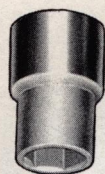
Contents (Total 30 pieces) are the same as for the JA-656 1/2 set plus 7, 6 point flexible sockets — 3/8", 7/16", 1/2", 9/16", 5/8", 3/4" and 11/16".

SET NO. JA-676 1/2 — Complete in B602 Metal Box.....

SET NO. JA-676 is tools only in bulk.....

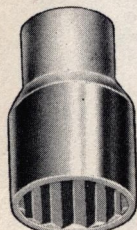


S-212
to
S-214

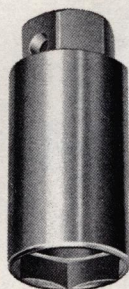


S-316
to
S-326

S-612
to
S-630



S-112
to
S-140



SPS-26

REGULAR LENGTH—8-POINT SOCKETS

Number	Opening	O.A. Length	O.D. Socket End	Wt. Lbs. 10 Pcs.
S-212	3/8	1 3/8	2 1/32	1 3/16
S-214	7/16	1 3/8	3/4	1 1/4
S-216	1/2	1 1/2	7/8	1 1/2
S-218	9/16	1 1/2	1 5/16	1 1/2
S-220	5/8	1 1/2	1 1/16	1 7/8
S-222	1 1/16	1 9/16	1 1/8	2 3/16
S-226	1 3/16	1 9/16	1 3/8	3
S-228	7/8	1 5/8	1 7/16	3 3/4
S-232	1	1 1 1/16	1 5/8	4 1/4
S-234	1 1/16	1 3/4	1 3/4	5 5/16

REGULAR LENGTH—12-POINT SOCKETS

S-112	3/8	1 3/8	1 7/32	1 1/8
S-114	7/16	1 3/8	5/8	1 1/8
S-116	1/2	1 3/8	1 5/16	1 3/16
S-118	9/16	1 13/32	2 5/32	1 1/8
‡S-118V	9/16	1 11/32	1 9/16	1 1/4
S-119	1 9/32	1 3/8	1 5/8	1 1/4
S-120	5/8	1 1/2	7/8	1 1/4
S-121	2 1/32	1 1/2	1 5/16	1 3/8
S-122	1 1/16	1 1/2	1 5/16	1 3/8
S-124	3/4	1 9/16	1 1/16	1 13/16
S-125	2 5/32	1 9/16	1 1/16	1 3/4
S-126	1 3/16	1 1 9/32	1 1/8	2 1/16
S-128	7/8	1 5/8	1 3/16	2 1/4
S-130	1 5/16	1 21/32	1 1/4	2 3/8
S-132	1	1 23/32	1 3/8	3
S-134	1 1/16	1 3/4	1 7/16	3 3/8
S-136	1 1/8	1 1 3/16	1 1/2	3 3/4
S-140	1 1/4	1 7/8	1 1 1/16	4 1 1/16

‡ Special 6-point for Ford Conn. Rod Nuts—Not replaceable.

**Standard Series
Van-Chrome Sockets**

1/2" Square Drive—Extra Thin Straight Walls

Hot Forged from Chrome Molybdenum Steel

All excess weight and clumsiness have been eliminated. Every Socket is individually *Hot Forged* which insures precision, accuracy, greater strength, durability, and compactness adapting them to faster performance. The height of each socket is graduated to a definite engineering formula to balance with the opening size and they are knurled for a non-slip grip. Equipped with lock-on feature which firmly locks the sockets to the handles but releases easily. Extra powered by scientific heat treatment. Chrome plated with mirror polished side walls.

***14MM SPARK PLUG HOLDING SOCKET**

Number	Opening	O.A. Length	O.D. Socket End	Wt. Lbs. 10 Pcs.
*SPS-26	1 1/16	2 1/2	1 1/16	2 3/4

* Has Rubber insert and 3/4" Hex Drive.

REGULAR LENGTH—6-POINT SOCKETS

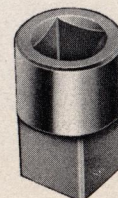
S-612	3/8	1 3/8	1 7/32	1 1/16
S-614	7/16	1 3/8	5/8	1
*S-614V	7/16	1 1/2	662	1 5/16
S-616	1/2	1 3/8	4 5/16	1 3/16
S-618	9/16	1 3/8	2 5/32	1 3/16
S-620	5/8	1 1/2	7/8	1 3/8
S-622	1 1/16	1 9/16	1 5/16	1 3/8
S-624	3/4	1 9/16	1 1/16	1 1 5/16
S-626	1 3/16	1 1 9/32	1 1/8	
S-628	7/8	1 5/8	1 3/16	
S-630	1 3/16	1 2 1/32	1 1/4	

* Special for Cadillac connecting rod nuts—Not replaceable.

**FLEXIBLE 12-POINT SOCKETS
Spring Tension Construction**

S-316	1/2	2 7/32	1 1/16	2 1/8
S-318	9/16	2 7/32	2 5/32	2 1/8
S-320	5/8	2 9/32	7/8	2 1/8
S-322	1 1/16	2 9/32	1 5/16	2 7/16
S-324	3/4	2 11/32	1	2 1/2
S-326	1 3/16	2 1 1/32	1 1/16	2 9/16

SOCKET ADAPTORS

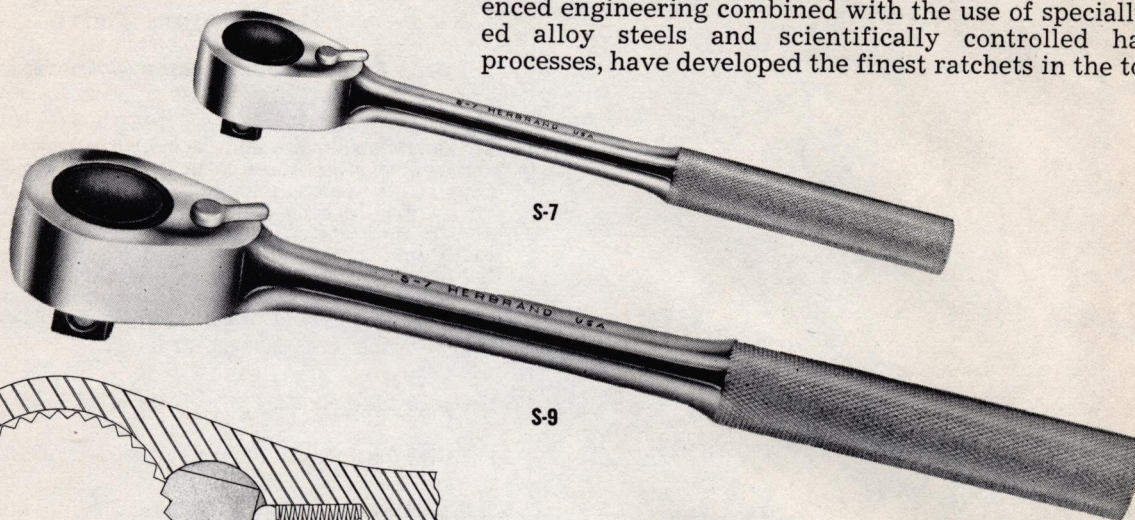


A-388 to A-395

These adaptors permit the use of sockets of one series with the handles of another drive series. Care should be taken not to overload when using large drive handles on small drive sockets.

Part Number	Drive Size		O.A. Length	Wt. Lbs. 10 Pcs.
	Female	Male		
A-388	1/4	to 3/8	1 5/16	3/8
A-389	3/8	to 1/4	1	5/8
A-390	1/2	to 3/8	1 2 3/4	1 3/8
A-391	3/8	to 1/2	1 3 1/4	1 5/8
A-393	3/4	to 1/2	1 6 1/4	4
A-394	1/2	to 3/4	1 3/8	2 1/4
A-395	3/4	to 1	2 3/16	

Today's professional mechanics require a complement of sizes and lengths in the popular $\frac{1}{2}$ " square drive ratchet. To properly meet these requirements, HERBRAND provides the IMPROVED STANDARD SERIES ratchets in both the 10" and 15" length. Engineered to function in the smallest working radius, both sizes meet the demands of the most difficult jobs. Experienced engineering combined with the use of specially selected alloy steels and scientifically controlled hardening processes, have developed the finest ratchets in the tool field.

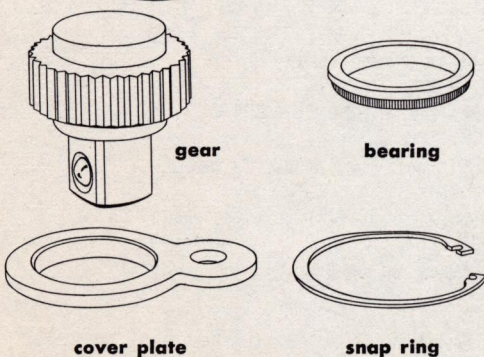
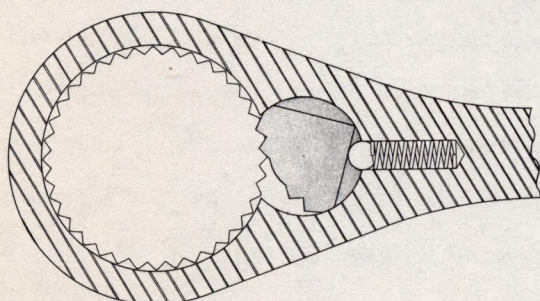


S-7

S-9

S-7 Reversible Ratchet. 36 teeth; 10" long.

S-9 Reversible Ratchet. 26 teeth; 15" long.



gear

bearing

cover plate

snap ring

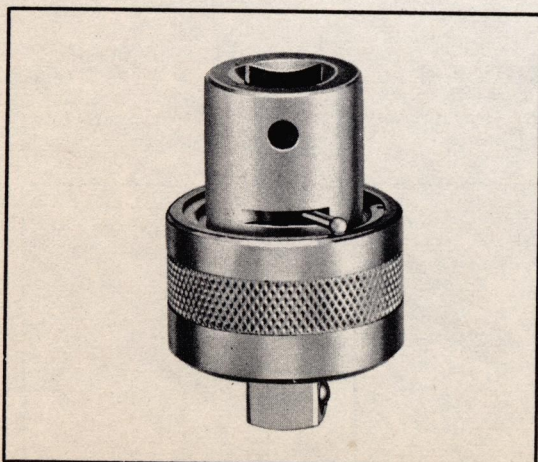
The drawing above shows the simplified construction of the Herbrand S-7 ratchet, in which working parts have been kept to a minimum. Bearings are replaceable quickly and easily right on the job.

RATCHETS

All Herbrand ratchets provide the same simple, strong, long life construction. Trouble free operation under most extreme usage. Through the means of direct contact pawls full working load is directed through center line of the handle. This increases ratchet life far beyond normal requirements.

RATCH-A-DAPTORS

Available in 3 sizes, $\frac{1}{4}$ ", $\frac{3}{8}$ " and $\frac{1}{2}$ " drive. The compact adaptors are instantly reversible by a simple ring or lever shift. Use with hinge handle, speeder handle, T-handle or torque wrench to convert to a reversible action tool.



S-8A Ratch-A-Daptor. $\frac{1}{2}$ " Drive; 20 teeth; $2\frac{3}{16}$ " long; maximum OD $1\frac{1}{8}$ ".

M-8 Ratch-A-Daptor. $\frac{1}{4}$ " drive.

J-8A Ratch-A-Daptor. $\frac{3}{8}$ " drive.

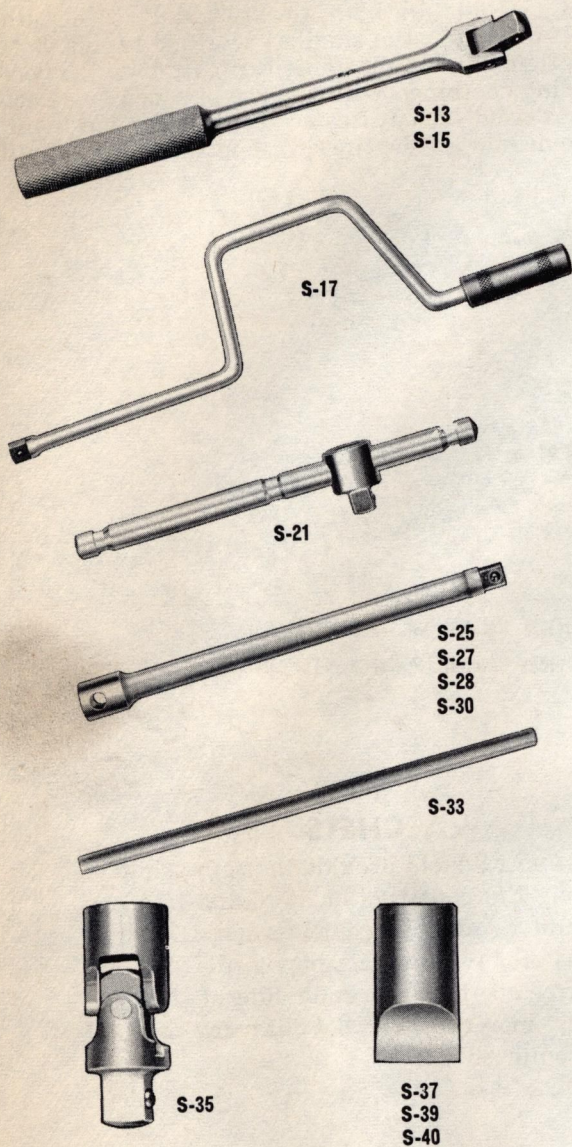
Standard Series Handles and Attachments

Extra Strong and Rigid

1½" Square Drive

Drop Forged from Chrome Molybdenum Steel

All "Van-Chrome" Handles and Attachments are equipped with Herbrand's well-known and distinctive lock-on feature. This is your assurance that the sockets "stay put"—no chance of them dropping off to cause grief and loss of time. The forged offset shoulder on the connection ends is a positive socket stop and provides automatic engagement of the locking ball which releases readily on a straight pull without the use of any special gadgets. Finished in lustrous Chromium plate, the ends and faces are polished brightly. This finish is rust resisting and will retain its lustre. All "Van-Chrome" Sockets and Handles are fully guaranteed.



S-13 Flexible Offset Handle. 12" long; head width 1"; weight per 10—13 lbs.

S-15 Flexible Offset Handle. 18" long; head width 1"; weight per 10—17½ lbs.

S-17 Speeder Handle. 17" long; swing radius 3¾"; weight per 10—13½ lbs.

S-21 Sliding T Handle. 9½" long; head O D 1½"; head length 1¾".

S-25 Extension. 2½" long; weight per 10—4½ lbs.

S-27 Extension. 5" long; weight per 10—3¾ lbs.

S-28 Extension. 10" long; weight per 10—7½ lbs.

S-30 Extension. 32" long; weight per 10—22½ lbs.

S-33 Bar Handle. 11" long; weight per 10—3½ lbs.

S-35 Universal Joint. 2¾" long; OD 1½"; weight per 10—2½ lbs.

S-37 Drag Link Socket. Bit width ¾"; thickness .109"; length 1½".

S-39 Drag Link Socket. Bit width 1½"; thickness .153"; length 1½".

S-40 Drag Link Socket. Bit width 1½"; thickness .150"; length 1½".

Construction features

HINGE HANDLE

New smooth controlled hinge action with steel friction ball movement.

SLIDING T

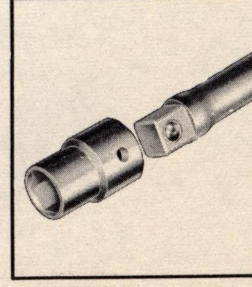
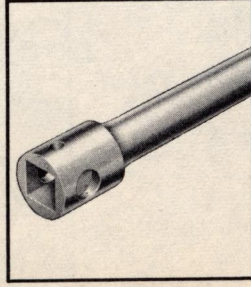
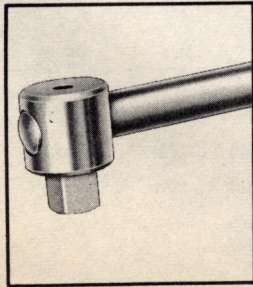
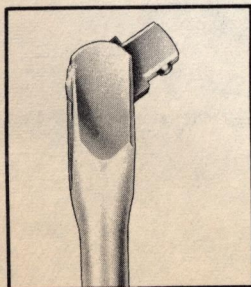
Note 3 positive positions—head slides flush to ends. No bind action.

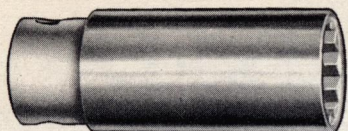
EXTENSIONS

Heads forged for greater strength—smooth, hot-broached squares.

BALL LOCK CONSTRUCTION

Accurately Milled Squares and Spring Ball Lock, provide snug, positive connections.





DS-16
to
DS-36

1/2" DRIVE DEEP SOCKET SETS

Set No. DS-6 1/2 (7 Pieces)

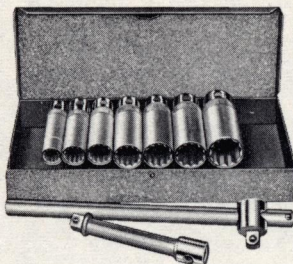
12 Point Deep Sockets — DS-24, DS-26, DS-28, DS-30, DS-32, DS-36, DSH-6; "T" Bar. In Metal Box No. B810.

Set No. DS-11 1/2 (7 Pieces)

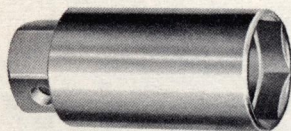
12 Point Deep Sockets — DS-20, DS-22, DS-26, DS-28, DS-30, DS-32, DSH-6; "T" Handle Bar. Metal Box No. B810.

Set No. DS-12 1/2 (9 Pieces)

12 Point Deep Sockets — DS-20, DS-22, DS-26, DS-28, DS-30, DS-32, DS-36, No. S-21 Sliding; "T" Handle, 5" Extension. In Metal Box No. B811.



No. DSH-6



14MM SPARK PLUG HOLDING SOCKETS

SPECIAL LENGTH REACHES HARD-TO GET PLUGS

Ford, Cadillac, etc.

SNUG RUBBER INSERT FULL LENGTH OF SOCKET

Holds plug firmly—protects entire insulator.

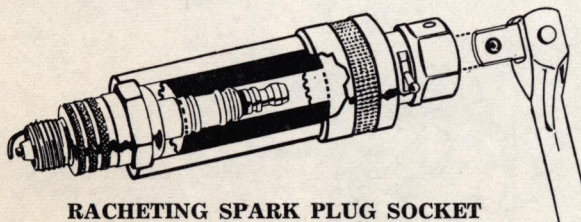
1 1/8" HEX DRIVE HEAD

Permits use with standard wrench when clearance is at a minimum.

CONSTRUCTION DESIGN PREVENTS DRIVE END OF ATTACHMENT FROM STRIKING PLUG TERMINAL.

NO. SPS-26, 1/2" drive

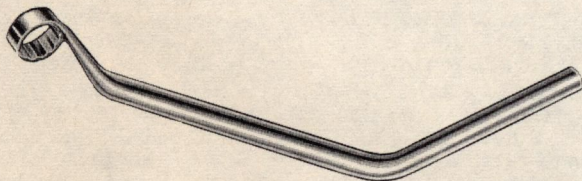
NO. SPJ-26, 3/8" drive.



RATCHETING SPARK PLUG SOCKET

No. SPJ-1426

The SPJ-1426 actually replaces three tools . . . it's a holding socket, reversible ratchet, and short extension all wrapped up in one tool 3 1/2 inches long. For use with any 3/8" drive handle, torque wrench, or 3/4" box or end wrench, SPJ-1426 fits all 14mm plugs on popular cars, trucks, marine and industrial applications. The specially broached socket and neoprene liner grip the plug and prevent damage or breakage. The 3 1/2" length clears hot manifolds and prevents burning of hands. The SPJ-1426 fits in tight spots on accessory-packed new cars and makes spark plug torquing possible under all conditions.



NO. 2153 CADILLAC AND OLDSMOBILE SPECIAL SPARK PLUG WRENCH

Removes plug directly under generator on new engines without moving generator.

No. 2153 NET PRICE.....

Extra Deep Socket and Spark Plug Wrenches

1/2" Square Drive—Thin Straight Walls

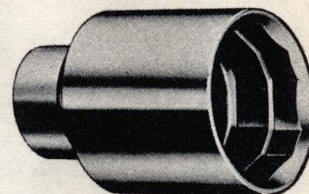
Hot Forged from Chrome Molybdenum Steel

In addition to fitting all spark plugs these Extra Deep Sockets are invaluable for work on body bolts, spring clips and many other places where an extra long reach is necessary. Designed with 1/2" square drive opening for use with standard handles and cross drilled so that a sliding T bar may be used. *Hot Forged* and heat treated to impart unbreakable strength. The side walls are straight and thin for clearance and the 12-point openings are smooth and deep insuring an accurate, positive fit. Knurled, chrome plated and polished.

Number	Openings	Length	Net Price Each
DS-16	1/2"	3	
+DS-18	5/8"	3	
DS-20	5/8"	3	
*DS-22	1 1/4"	3	
DS-24	1 1/4"	3	
ΔDS-26	1 1/4"	3	
°DS-26S	1 1/4"	3	
DS-28	1 1/2"	3 1/4	
DS-30	1 1/2"	3 1/4	
‡DS-32	1"	3 1/4	
DS-36	1 1/2"	3 1/4	

+Fits A.C. 10 mm Plugs. *For Champion and Auto-Lite 10 mm Plugs.
ΔFits 14 mm Plugs. ‡Fits 18 mm Plugs.

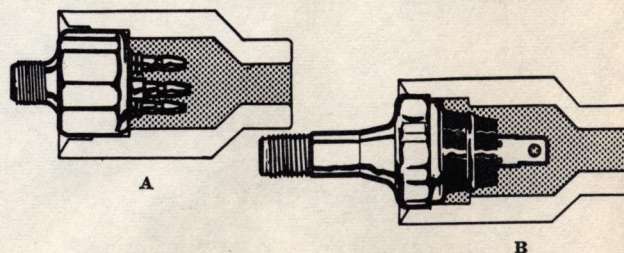
°NO. DS-26S Special with extra slim tapered nose for V-8 Motors on Cadillac, Buick, Chrysler, Nash, Oldsmobile, etc.



No. J-43

TWO-IN-ONE

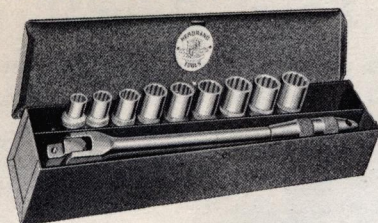
STOP LIGHT AND OIL PRESSURE LIGHT SOCKET



Drawing (A) illustrates how the stop light switch fits in the 1" inside opening of the socket. Note the depth of the socket which protects the terminals of the switch. Drawing (B) illustrates how the same socket holds the oil pressure light switch in the 1 1/8" front opening.

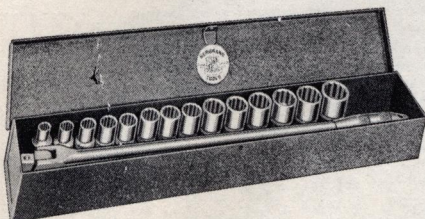
Now — one socket for two jobs! The new Herbrand Two-In-One J-43 Socket, 3/8" drive, will fit both the stoplight switch and the oil pressure dashboard light switch! Secret of this advanced tool design by Herbrand engineers is a step-down opening. The first opening is 1 1/8"; the second, or inside opening, is 1". Each opening is designed to fit the contour of these very delicate switches which must not be damaged when replacing them. End wrenches or pliers should not be used to replace these switches as the light metal and the Bake-Lite seal, if bent or distorted during replacement, would leak oil and the switch would not function properly. Overall socket length is 2" with a thin wall to allow access in close working areas. Chrome plated, hi-grade alloy steel.

Set No. SB-71 (10 Pieces)



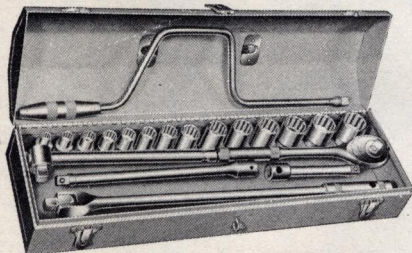
12 Point Sockets—S-114, S-116, S-118, S-120, S-122, S-124, S-126, S-128, S-130; Flex Handle 12". Metal Box B801.

Set No. SB-72 (15 Pieces)



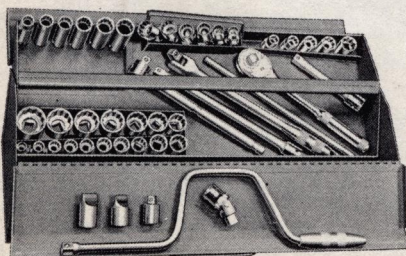
12 Point Sockets—S-112, S-114, S-116, S-118, S-119, S-120, S-122, S-124, S-126, S-128, S-130, S-132, S-134, S-136; Flex Handle 18". In Box No. B802.

Set No. SB-73 (20 Pieces)



12 Point Sockets—S-112, S-114, S-116, S-118, S-119, S-120, S-122, S-124, S-126, S-128, S-130, S-132, S-134, S-136; Reversible Ratchet, Flex Handle 18", Speeder Handle 17", Sliding "T" Handle 11", Extension 5", Extension 10". In Box No. B806.

Set No. SB-74 (43 Pieces)



12 Point Sockets—S-112, S-114, S-116, S-118, S-119, S-120, S-122, S-124, S-126, S-128, S-130, S-132, S-134, S-136, S-140; 8 Point Sockets—S-212, S-214, S-216, S-218, S-220; 12 Point Flex Sockets in Tray—S-316, S-318, S-320, S-322, S-324, S-326; 12 Point Deep Sockets—DS-16, DS-18, DS-20, DS-22, DS-24, DS-26; Socket Adaptor 1/2" to 3/8" Male, Reversible Ratchet, 12" Flex Handle, 17" Speeder Handle, 5" Extension, 10" Extension, Universal Joint, Drag Link Sockets—3/4", 1 1/4" Bar Handle, Sliding "T" Handle. In Metal Box No. B-902.

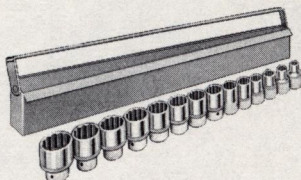
**Standard Series
Van-Chrome Socket Sets**

1/2" Square Drive

Mechanics Popular Assortments

Here are set combinations containing the latest *Hot Forged* Sockets and speedier, better designed Handles. The heavy gauge metal boxes will last a lifetime and there is ample space for additional tools.

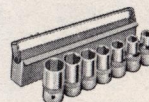
Set No. SA-50 (14 Pieces)



12 Point Sockets—S-112, S-114, S-116, S-118, S-120, S-122, S-124, S-126, S-128, S-130, S-132, S-134, S-136, S-140. In Tray No. B850

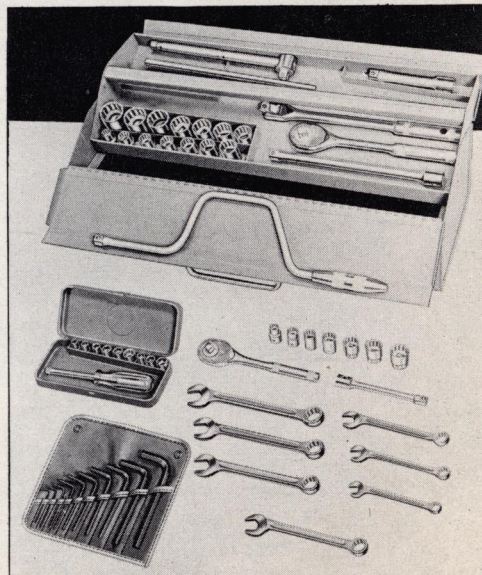
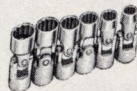
Set No. SA-51 (7 Pieces)

6 Point Sockets—S-612, S-614, S-616, S-618, S-620, S-622, S-624. In Tray No. B851.



Set No. SA-52 (6 Pieces)

12 Point Flex Sockets—S-316, S-318, S-320, S-322, S-324, S-326. In Tray No. B852.



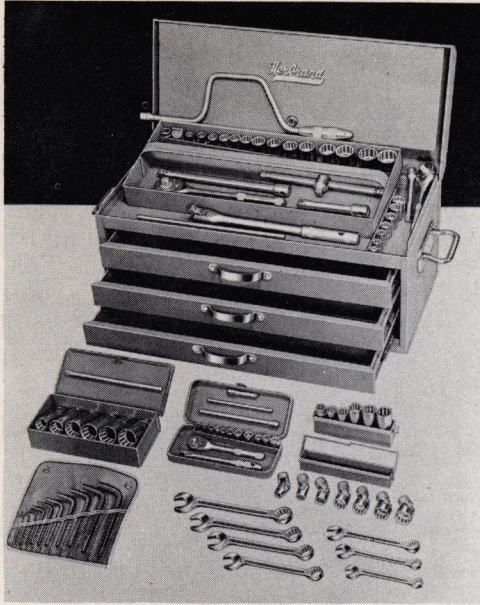
SET NO. VC-57 (57 Pieces)

A fine starter set. Includes the popular basic items on which to build a broader coverage set by adding additional items as desired.

1/4" Square Drive Series—6 Point Sockets—M608, M609, M610, M611, M612, M614. 8 Point Sockets—M808, M810, M812. SPINNER HANDLE—M20. In fitted Metal Box.

3/8" Square Drive Series—12 Point Sockets—J112, J114, J116, J118, J120, J122, J124. REVERSIBLE RATCHET—J7. EXTENSION—J27. **1/2" SQUARE DRIVE SERIES**—12 Point Sockets—S114, S116, S118, S119, S120, S122, S124, S125, S126, S128, S130, S132, S134, S136, S-7 Reversible Ratchet, S-13 Flex Handle, S-17 Speeder, S-27 Extension 5", S-28 Extension 8", S-33 T Bar. COMBINATION WRENCHES—1212S, 1214S, 1216S, 1218S, 1220S, 1222S, 1224S. 10 ALLEN WRENCHES IN ROLL.

NET PRICE, in Heavy Duty Fitted Box B-902, with 2 Tote Trays



JUNIOR MAGIC CHEST NO. B330 AND SET NO. VC-85 (85 pieces)

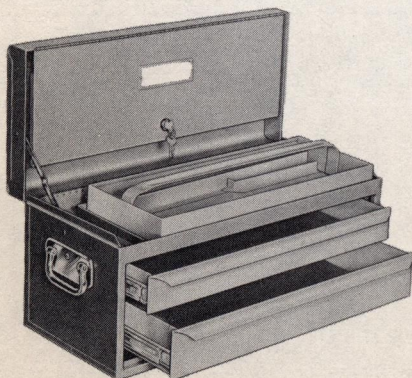
This popular tool assortment provides a fine range of openings in both sockets and wrenches to handle the majority of jobs.

1/4" Square Drive Series—6 Point Sockets—M606, M607, M608, M609, M610, M611, M612. 8 Point Sockets—M808, M810, M812. REVERSIBLE RATCHET—M5. FLEX HANDLE—M13. EXTENSIONS—M22 and M23. "T" HANDLE—M33. In fitted Metal Box.

3/8" Square Drive Series—12 Point Sockets—J112, J114, J116, J118, J120, J122, J124. REVERSIBLE RATCHET—J-7. EXTENSION—J-27. 12 Point DEEP SOCKETS IN TRAY—J414, J416, J418, J420, J422, J424. 6 AND 12 POINT FLEX SOCKETS IN TRAY—J912, J914, J916, J918, J320, J322, J324.

1/2" Square Drive Series—12 POINT SOCKETS—S114, S116, S118, S118V, S119, S120, S122, S124, S125, S126, S128, S130, S132, S134, S136. DEEP SOCKETS IN METAL BOX—DS20, DS22, DS26, DS28, DS30, DS32. REVERSIBLE RATCHET—S-7. FLEX HANDLE—S13. SPEEDER HANDLE—S17. SLIDING "T" HANDLE—S21. EXTENSIONS—S27 and S28. "T" BAR—S33. DRAG LINK SOCKET—S39. COMBINATION WRENCHES—1212S, 1214S, 1216S, 1218S, 1220S, 1222S, 1224S. 10 ALLEN WRENCHES IN ROLL.

SET NO. VC-85 (Chest and 85 tools listed above) NET PRICE
NO. B330 Chest illustrated, etc. on page 18.



No. B320 MECHANICS TOOL CHEST

Same fine construction as 330 but has 2 full length drawers, 20" long. Smooth Red Enamel finish. Dimensions, 22 1/2" long x 10 1/2" high x 10" deep. Weight — 32 lbs.

Contents of Master Mechanic's Set No. VC-120 [120 pieces]

(Tools Only)

A Complete Mechanics Workshop—

The Last Word in Utility and Quality

1/4" DRIVE—MIDGET SERIES SOCKETS AND HANDLES (In Metal Box B-401)

8 Six-point, Straight—Thin-walled Sockets: M-606, 3/16"; M-607, 1/4"; M-608, 1/2"; M-609, 5/8"; M-610, 3/4"; M-611, 1 1/4"; M-612, 3/8"; M-614, 1/8".
3 Eight-point, Straight—Thin-walled Sockets: M-808, 1/4"; M-810, 1/8"; M-812, 3/8".
M-5 Reversible Ratchet; M-13 Flex Handle; M-22 Extension, 5 1/2"; M-23 Extension, 2"; M-33 Bar Handle.

3/8" DRIVE—JUNIOR SERIES SOCKETS AND HANDLES

7 Twelve-point, Straight—Thin-walled Sockets: J-112, 3/8"; J-114, 1/2"; J-116, 1/4"; J-118, 5/8"; J-120, 3/4"; J-122, 1 1/4"; J-124, 3/8".
J-7 Reversible Ratchet; J-13 Flex Handle.

1/2" DRIVE—STAND. SERIES SOCKETS AND HANDLES

10 Twelve-point, Straight—Thin-walled Sockets: S-112, 3/8"; S-114, 1/2"; S-116, 1/4"; S-118, 5/8"; S-120, 3/4"; S-122, 1 1/4"; S-124, 3/8"; S-128, 1/8"; S-130, 1 1/2"; S-132, 1".
S-7 Reversible Ratchet, S-15 Flex Handle (18"); S-17 Speeder Handle (17"); S-27 Extension (5"); S-35 Universal Joint; S-37 Drag Link Socket; A-390 Socket Adaptor (1/2" Female to 3/8" Male).
6 Deep Sockets, Twelve-point Straight—Thin-walled: DS-20, 5/8"; D.S.-22, 1 1/2"; DS-26, 1 1/8"; DS-28, 7/8"; DS-30, 1 1/4"; DS-32, 1"; and DSH-6 Bar Handle, in Metal Box B-810.

3/4" DRIVE—HEAVY DUTY SOCKETS AND HANDLES

7 Twelve-point Straight—Thin-walled Sockets: Nos. H-134, 1 1/4"; H-136, 1 1/8"; H-140, 1 1/2"; H-142, 1 1/4"; H-144, 1 3/8"; H-146, 1 1/2"; H-148, 1 1/2".
H-21 Sliding "T" Handle, H-29 Extension (8").

MISCELLANEOUS TOOLS

8 Combination Wrenches—22°: 1212S, 3/8"; 1214S, 7/16"; 1216S, 1/2"; 1218S, 5/8"; 1220S, 3/4"; 1222S, 1 1/4"; 1224S, 3/8"; 1226L, 1 1/8".
6 Open End Wrenches: 1021S, 1/4" x 5/8"; 1723, 3/8" x 1 1/8"; 1725B, 1/2" x 5/8"; 1027B, 5/8" x 1 1/8"; 1731, 3/4" x 1 1/8"; 1033A, 7/8" x 1 1/8".
2 Tappet Wrenches: T-21, 1/8" x 1/2"; T-22, 1/2" x 5/8".
5 Long Box Wrenches—45°: 3923, 3/8" x 1 1/8"; 3925, 1/2" x 5/8"; 3929, 5/8" x 1 1/8"; 3931, 3/4" x 1 1/8"; 3933, 7/8" x 1 1/8".
3 Short Box Wrenches—45°: 4923, 3/8" x 1/8"; 4925, 1/2" x 5/8"; 4927, 5/8" x 1 1/8".
5 Ignition Wrenches—15° and 60°: 81, 1 1/4" x 1 1/4"; 83, 1/4" x 1/4"; 85, 5/8" x 5/8"; 87, 1 1/2" x 3/8"; 89, 1/8" x 1/4".
7 Screw Drivers: 310 (2" blade); 312 (3" blade); 313 (6" blade); 315 (1 1/2" blade); 316 (5 3/4" blade); 362 (No. 2 Phillips); 352 (Offset).
5 Pliers: 34-6; 166 1/2; 167; 179; 183-A.
2 Hammers: 660 (10 oz. Nylon Tip); BP-16 (16 oz. Ball Pein).
3 Cold Chisels: 402; 404; 431.
5 Punches: 440; 445; 462; 451; 471.
Aligning Bar: 485 (15").
Feeler Gauge: G-10.
Allen Wrench Set: AW-80-R (8 wrenches, 5/64" to 5/16" hex.) in leather pouch.
Carbon Scraper: 348.

NO. VC-120 Set (tools only), 120 pieces.

NET PRICE

Heavy Duty Series Sockets

$\frac{3}{4}$ " Square Drive—Thin Straight Walls

Hot Forged from Chrome Molybdenum Steel

Engineered and designed to perform the most strenuous work on large diameter nuts where extra strength and safety are vital. Unnecessary bulk, weight and clumsiness are eliminated. Equipped with a safety snap, lock-on feature. Heat treated for brute strength. Chrome plated, polished walls.

H-11

H-15

H-21

H-25
H-29
H-31

H-33

H-11 Reversible Ratchet. Exclusive push-button reverse. Direct contact pawl action, 30 teeth for maximum utility. 22" long; weight each $5\frac{3}{8}$ lbs.

H-15 Flexible Offset Handle. 20 $\frac{1}{2}$ " long; head width 1 $\frac{3}{4}$ "; head thickness 1"; weight each 4 $\frac{3}{8}$ lbs.

H-21 Sliding T Handle. Positive stops flush to end of handle. 18" long; head length 2 $\frac{1}{8}$ "; weight each 2 $\frac{5}{8}$ lbs.

H-25 Extension. 4" long; weight each 1 $\frac{1}{8}$ lb.

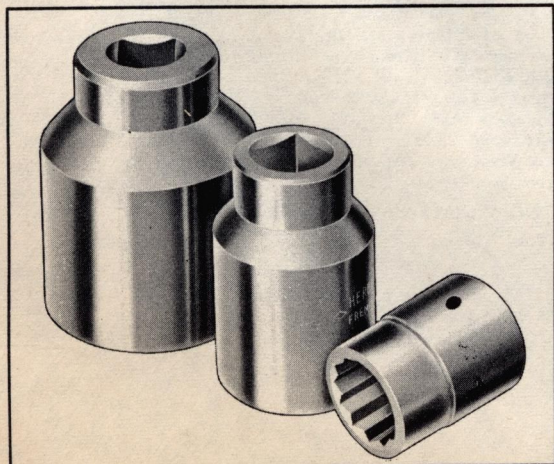
H-29 Extension. 8" long; weight each 1 $\frac{3}{8}$ lbs.

H-31 Extension. 16" long; weight each 2 $\frac{3}{8}$ lbs.

H-33 Bar Handle. 20" long; weight each $\frac{7}{8}$ lb.

12-POINT SOCKETS—THIN STRAIGHT WALL

Number	Opening	O.A. Length	O.D. Socket End	Wt. Lbs. 10 Pcs.
H-128	$\frac{7}{8}$	2	1.275	4 $\frac{1}{2}$
H-130	1 $\frac{1}{16}$	2	1 $\frac{3}{8}$	4 $\frac{1}{4}$
H-132	1	2	1 $\frac{7}{16}$	4 $\frac{3}{4}$
H-134	1 $\frac{1}{16}$	2 $\frac{1}{8}$	1 $\frac{1}{2}$	5
H-136	1 $\frac{1}{8}$	2 $\frac{7}{32}$	1 $\frac{9}{16}$	5 $\frac{3}{8}$
H-138A	1 $\frac{3}{16}$	2 $\frac{1}{4}$	1 $\frac{11}{16}$	6 $\frac{1}{4}$
H-140	1 $\frac{1}{4}$	2 $\frac{5}{16}$	1 $\frac{3}{4}$	6 $\frac{5}{8}$
H-142	1 $\frac{3}{16}$	2 $\frac{13}{32}$	1 $\frac{3}{16}$	7 $\frac{5}{8}$
H-144	1 $\frac{3}{8}$	2 $\frac{1}{2}$	1 $\frac{7}{8}$	8 $\frac{9}{16}$
H-146	1 $\frac{7}{16}$	2 $\frac{9}{16}$	2	9 $\frac{1}{16}$
H-148	1 $\frac{1}{2}$	2 $\frac{5}{8}$	2 $\frac{1}{16}$	10 $\frac{3}{4}$
H-152	1 $\frac{5}{8}$	2 $\frac{3}{4}$	2 $\frac{1}{4}$	13 $\frac{3}{8}$
H-156	1 $\frac{3}{4}$	2 $\frac{7}{8}$	2 $\frac{3}{8}$	14 $\frac{3}{4}$
H-158	1 $\frac{13}{16}$	2 $\frac{31}{32}$	2 $\frac{1}{2}$	14 $\frac{1}{2}$
H-160	1 $\frac{7}{8}$	3 $\frac{1}{16}$	2 $\frac{9}{16}$	16 $\frac{1}{8}$
H-164	2	3 $\frac{5}{32}$	2 $\frac{23}{32}$	19 $\frac{1}{16}$
H-166	2 $\frac{1}{16}$	3 $\frac{1}{8}$	2 $\frac{13}{16}$	28 $\frac{1}{8}$
H-168	2 $\frac{1}{8}$	3 $\frac{1}{16}$	2 $\frac{1}{2}$	30
H-170	2 $\frac{3}{16}$	3 $\frac{1}{8}$	3	32 $\frac{1}{2}$
H-172	2 $\frac{1}{4}$	3 $\frac{3}{8}$	3 $\frac{1}{16}$	36 $\frac{1}{4}$



HEAVY DUTY SERIES "VAN-CHROME" SOCKET SETS

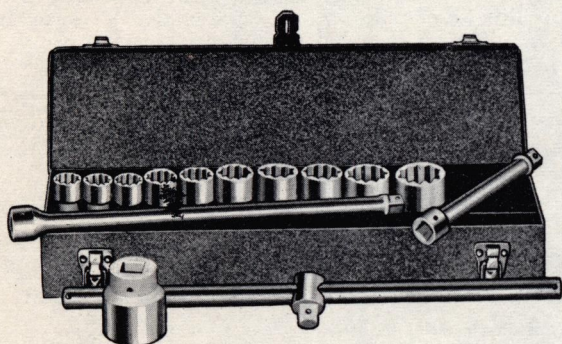
$\frac{3}{4}$ " Square Drive

Every thoroughly equipped mechanic needs a complete set of "Van-Chrome" Heavy Duty Sockets. These large diameter sockets have many applications and are essential for truck, bus, tractor and industrial work. They are also needed for work on farm and power machinery, road building equipment and all heavy machinery units.

The "Van-Chrome" Heavy Duty Socket line insures faster and easier work because it is designed for maximum handling efficiency. All unnecessary weight and clumsiness has been dispensed with. The sockets have straight walls and even though very thin they can be depended upon to give uninterrupted service under the most strenuous conditions. These 12-point sockets cannot slip from the handle end because they are equipped with lock-on feature which securely holds them in place.

Sockets and Handle Attachment are Hot Forged from a special analysis Chrome Molybdenum Steel and are heat treated all the way through. Handsomely finished in Herbrand's lustrous chrome plate with highly buffed side walls.

The tool boxes are constructed of heavy gauge steel, finished in durable baked blue wrinkle, and fitted with carrying handle and locking clasps.



HEAVY DUTY SOCKET SET NO. HA-80 $\frac{1}{2}$

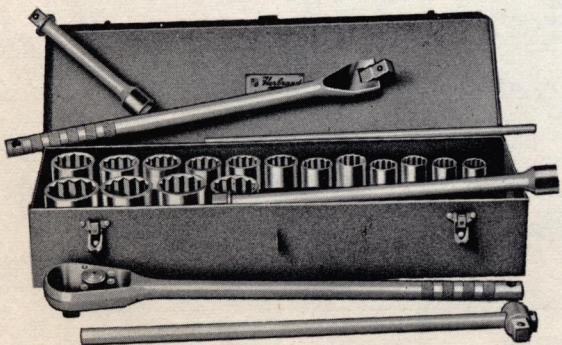
Contents, total of 15 pieces: 11 "Van-Chrome" Heavy Duty Sockets Nos. H-128, $\frac{7}{8}$ "; H-130, $\frac{15}{16}$ "; H-132, 1"; H-134, 1- $\frac{1}{16}$ "; H-136, $\frac{1}{2}$ "; H-138A, 1- $\frac{3}{16}$ "; H-140, $\frac{1}{4}$ "; H-144, $\frac{13}{8}$ "; H-146, 1- $\frac{7}{16}$ "; H-148, $\frac{1}{2}$ "; H-152, $\frac{15}{8}$ ". Sliding T Handle. No. H-21. Extensions No. H-29 and No. H-31.

SET NO. HA-80, in fibre box. Weight 11 lbs.

NET PRICE, Complete -----

SET NO. HA-80 $\frac{1}{2}$, in B1201 metal box. Weight 16 lbs.

NET PRICE, Complete -----



HEAVY DUTY SOCKET SET NO. HA-82 $\frac{1}{2}$

Contents, total of 23 pieces: 16 "Van-Chrome" Heavy Duty Sockets with 12-point openings Nos. H-128, $\frac{7}{8}$ "; H-130, $\frac{15}{16}$ "; H-132, 1"; H-134, 1- $\frac{1}{16}$ "; H-136, $\frac{1}{2}$ "; H-138A, 1- $\frac{3}{16}$ "; H-140, $\frac{1}{4}$ "; H-142, 1- $\frac{5}{16}$ "; H-144, $\frac{13}{8}$ "; H-146, 1- $\frac{7}{16}$ "; H-148, $\frac{1}{2}$ "; H-152, $\frac{15}{8}$ "; H-156, $\frac{13}{4}$ "; H-158, 1- $\frac{13}{16}$ "; H-160, $\frac{17}{8}$ "; and H-164, 2". 6 Heavy Duty Handles: Ratchet No. H-11; Flex Handle No. H-15 and Spinning T Bar; Sliding T Handle No. H-21 and 2 Extensions Nos. H-29 8" long and H-31 16". H-33.

SET NO. HA-82, in fibre box. Weight 28 lbs.

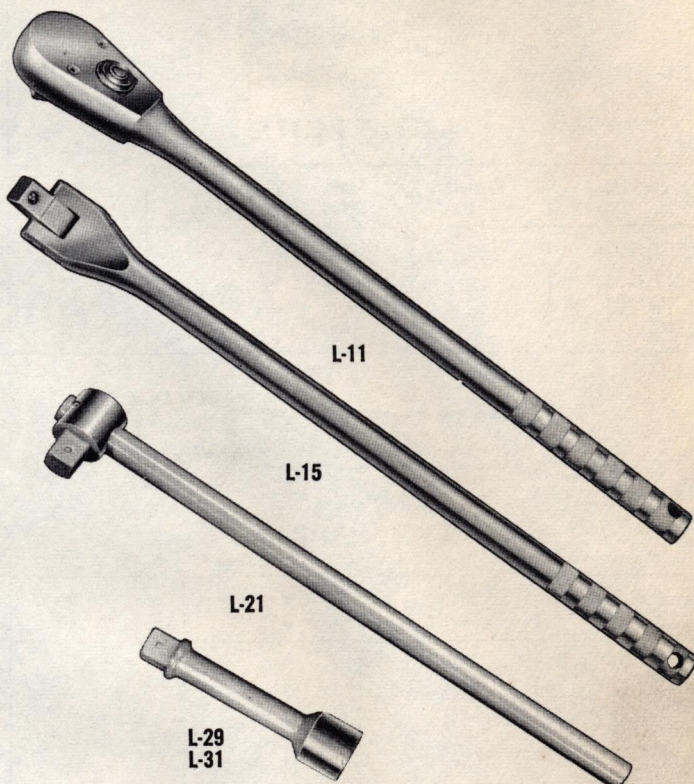
NET PRICE, Complete -----

SET NO. HA-82 $\frac{1}{2}$, in B1202 metal box. Weight 16 lbs.

NET PRICE, Complete -----

1" SQUARE DRIVE EXTRA HEAVY DUTY "L" SERIES SOCKETS AND HANDLES

Herbrand's 1" drive series is built to provide the durability, power and brute strength required for really tough man-sized jobs. Scientifically forged and heat-treated high alloy steel components make this series indispensable on big, heavy duty work. Triple plated, chrome finish.



L-11 Reversible Ratchet. 30-tooth action permits 12° swing for use in limited space. Exclusive push button reverse. 22" long; weight each — 5 $\frac{5}{8}$ lbs.

L-15 Flexible Offset Handle. Heavily knurled non-slip handle, 24 $\frac{1}{2}$ " long, weight each — 8 $\frac{3}{4}$ lbs.

L-21 Sliding T Handle. 23" long; weight each — 6 $\frac{1}{8}$ lbs.

L-29 Extension. 8" long; weight each — 2 $\frac{3}{8}$ lbs.

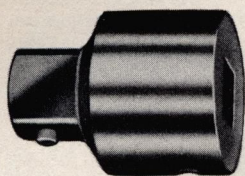
L-31 Extension. 17" long; weight each — 4 $\frac{3}{8}$ lbs.

1" DRIVE SOCKETS

12 POINT, COUNTERSUNK OPENINGS

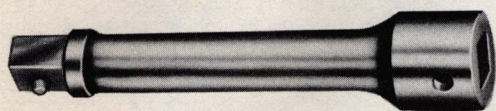
Number	Opening	O.A. Length	Number	Opening	O.A. Length
L-46	1 $\frac{7}{8}$	2 $\frac{1}{2}$	L-74	2 $\frac{3}{8}$	3 $\frac{1}{2}$
L-48	1 $\frac{1}{2}$	2 $\frac{19}{32}$	L-76	2 $\frac{3}{8}$	3 $\frac{1}{8}$
L-52	1 $\frac{3}{8}$	2 $\frac{11}{16}$	L-78	2 $\frac{3}{8}$	3 $\frac{3}{8}$
L-54	1 $\frac{1}{8}$	2 $\frac{25}{32}$	L-80	2 $\frac{1}{2}$	3 $\frac{1}{8}$
L-56	1 $\frac{3}{4}$	2 $\frac{27}{32}$	L-82	2 $\frac{3}{8}$	3 $\frac{17}{32}$
L-58	1 $\frac{3}{8}$	2	L-84	2 $\frac{3}{8}$	3 $\frac{15}{32}$
L-60	1 $\frac{7}{8}$	2 $\frac{31}{32}$	L-88	2 $\frac{3}{4}$	3 $\frac{11}{16}$
L-64	2	3 $\frac{1}{8}$	L-94	2 $\frac{15}{16}$	3 $\frac{3}{4}$
L-68	2 $\frac{1}{8}$	3 $\frac{3}{8}$	L-96	3	3 $\frac{3}{4}$
L-70	2 $\frac{3}{8}$	3 $\frac{1}{8}$	L-100	3 $\frac{3}{8}$	3 $\frac{29}{32}$
L-72	2 $\frac{1}{4}$	3 $\frac{3}{8}$			

POWER IMPACT ADAPTERS AND EXTENSIONS



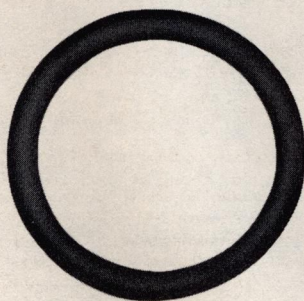
ADAPTERS

Part No.	Female Drive	Male Drive	Max. O.D.	O.A. Length
PA-1216	3/8	1/2	1	1 1/2
PA-1612	1/2	3/8	1	1 1/2
PA-2016	5/8	1/2	1 1/8	1 7/8
PA-2416	3/4	1/2	1 5/8	2 3/32



EXTENSIONS

Part No.	Square Drive	Max. O.D.	O.A. Length
PJ-3	3/8	1 1/16	3
PJ-6	3/8	1 1/16	6
PS-5	1/2	1 1/16	5
PS-10	1/2	1 1/16	10
IH-4	3/4	1 5/8	3 1/2
IH-10	3/4	1 5/8	10



PINS AND "O" RINGS

Part No.	Outside Dia.	Length	Pins Used On
IHP-1044	3/16	1 3/8	IH-624 THRU IH-642, IHD-624 THRU IHD-640, IH-4, IH-10, PA-2416
IHP-1060	3/16	1 7/8	IH-644 THRU IH-648, IHD-648

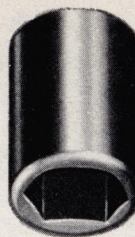
Part No.	Inside Dia.	Section Dia.	Rings Used On
IHO-1148	1 1/2	3/16	IH-624 THRU IH-642, IHD-624 THRU IHD-640, IH-4, IH-10, PA-2416
IHO-1164	2	3/16	IH-644 THRU IH-648, IHD-648

Power and Impact Sockets

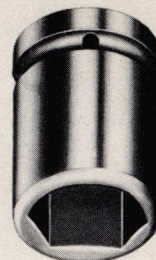
Extra Heavy Side Walls, Super Alloy Steel, Special Protective Finish



3/8"



1/2"



3/4"

For use on clutch assemblies, cylinder heads, oil pans, wheels, etc. They easily absorb the jars and jolts of power operation without cracking or chipping. AND — they will fit hand attachments for "tough jobs".

Herbrand power sockets are hot forged of triple alloy steel and have a special reinforced design with extra heavy sidewalls. Locking feature is slip-proof. When used with any power or impact wrench, they save time . . . boost profits. Available in all the popular sizes in 1/2" drive, 5/8" drive, both standard and deep.

POWER SOCKETS — 3/8" DRIVE

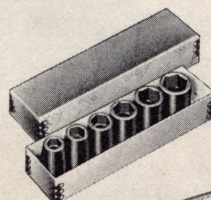
Impact Sockets, regular length 3/8" drive, 6-point openings:				Impact Sockets, regular length 3/8" drive, 6-point openings:			
No.	Openings	Length	Net Price	No.	Openings	Length	Net Price
PJ-612	3/8	7/8		PJ-618	1 1/8	7/8	
PJ-614	1/8	7/8		PJ-620	5/8	7/8	
PJ-616	1/2	7/8					

POWER SOCKETS — 1/2" DRIVE

Power Sockets, regular length— 1/2" drive, 6-point openings:				Deep Power Sockets— 1/2" drive, 6-point openings:			
No.	Openings	Length	Net Price	No.	Openings	Length	Net Price
PS-612	3/8	1 1/2		PSD-612	3/8	3 1/4	
PS-614	1/8	1 1/2		PSD-614	1/8	3 1/4	
PS-616	1/2	1 1/2		PSD-616	1/2	3 1/4	
PS-618	1 1/8	1 1/2		PSD-618	1 1/8	3 1/4	
PS-620	1 1/4	1 1/2		PSD-620	1 1/4	3 1/4	
PS-622	1 1/2	1 1/2		PSD-622	1 1/2	3 1/4	
PS-624	1 3/4	1 1/2		PSD-624	1 3/4	3 1/4	
PS-626	1 7/8	1 1/2		PSD-626	1 7/8	3 1/2	
PS-628	2	1 1/2		PSD-628	2	3 1/2	
PS-630	1 1/8	1 1/2		PSD-630	1 1/8	3 1/2	
PS-632	1 1/4	1 1/2		PSD-632	1 1/4	3 1/2	
PS-634	1 1/2	2					
PS-636	1 3/4	2					
PS-638	1 7/8	2					
PS-640	2	2					

IMPACT SOCKETS — 3/4" DRIVE

6-point openings:				6-point openings:			
No.	Openings	Length	Net Price	No.	Openings	Length	Net Price
IH-624	3/4	2 1/4		IH-638	1 3/8	2 1/4	
IH-626	1 1/8	2 1/4		IH-640	1 1/4	2 5/8	
IH-628	1 1/4	2 1/4		IH-642	1 1/8	2 5/8	
IH-630	1 1/2	2 3/8		IH-644	1 3/8	2 3/4	
IH-632	1 3/4	2 3/8		IH-646	1 7/8	2 3/4	
IH-634	1 7/8	2 1/2		IH-648	1 1/2	2 3/4	
IH-636	2	2 1/2					
IH-426	1 1/8	1 5/8		For Budd Wheels			



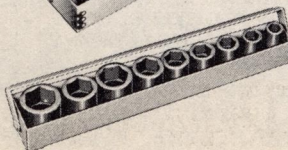
Set No. PSB-6 (6 Pieces)

Heavy Wall, 6 Point Power Sockets—PS-614, PS-616, PS-618, PS-620, PS-622, PS-624, Range 3/8" to 3/4". In fibre box.

SET NO. PSB-7 contains 6 sizes PS-616 to PS-626 in B857 Tray.

Set No. PSB-9 (9 Pieces)

Heavy Wall, 6 Point Power Sockets with Special Protective Finish—PS-612, PS-614, PS-616, PS-618, PS-620, PS-622, PS-624, PS-626, PS-628, Range 3/8" to 7/8". In tray No. B857.



Mechanic's Chests - Roller Cabinets

No. B480 8-Drawer Chest

Deluxe chests to delight the most careful mechanics. Big capacity—built for years of heavy duty. Fit neatly on top of No. B630 and No. B650 Roller Cabinets. Exclusive girder construction. Safety lock fasteners in 3 places—can't be jarred open. Green felt covering in bottom of top middle drawer to protect delicate instruments. Positive stops on compound slides on all drawers. Large tote tray with non-slip "V" handle.

SPECIFICATIONS

SIZE OF CHEST.....	12" x 14½" x 26"
PACKING.....	1 per carton
SHIPPING WT PER CARTON.....	.61 lbs.
SIZE TILL-IN TOP.....	2¼" x 12" x 26"
NO. OF DRAWERS.....	8—(6 small)
SIZE SMALL DRAWERS.....	2" x 11" x 7"
SIZE TOP LONG DRAWER.....	2" x 11" x 23"
SIZE BOTTOM DRAWER.....	2½" x 11" x 23"

Sparkling Red baked enamel finish.

The No. B480 may also be used with No. B630 Roller Cabinet.

No. B720 2-Drawer Intermediate Chest

Additional space unit can be used with Roller Cabinet—Chest combination or Roller Cabinet alone.

SPECIFICATIONS

SIZE OF CHEST.....	10" x 12-5/16" x 26-5/16"
PACKING.....	1 per carton
SHIPPING WT.....	.37 lbs.
SIZE OF DRAWERS.....	2⅞" x 10¾" x 23½"
FULL SUSPENSION DRAWER SLIDES	
TUMBLER LOCK CLOSERS BOTH DRAWERS	

Sparkling Red baked enamel finish.

No. B720 Also fits on the No. B630 Roller Cabinet, or under the No. B450 or No. B430 Chest.

No. B650 5-Drawer Roller Cabinet

with exclusive heavy-duty roller slides

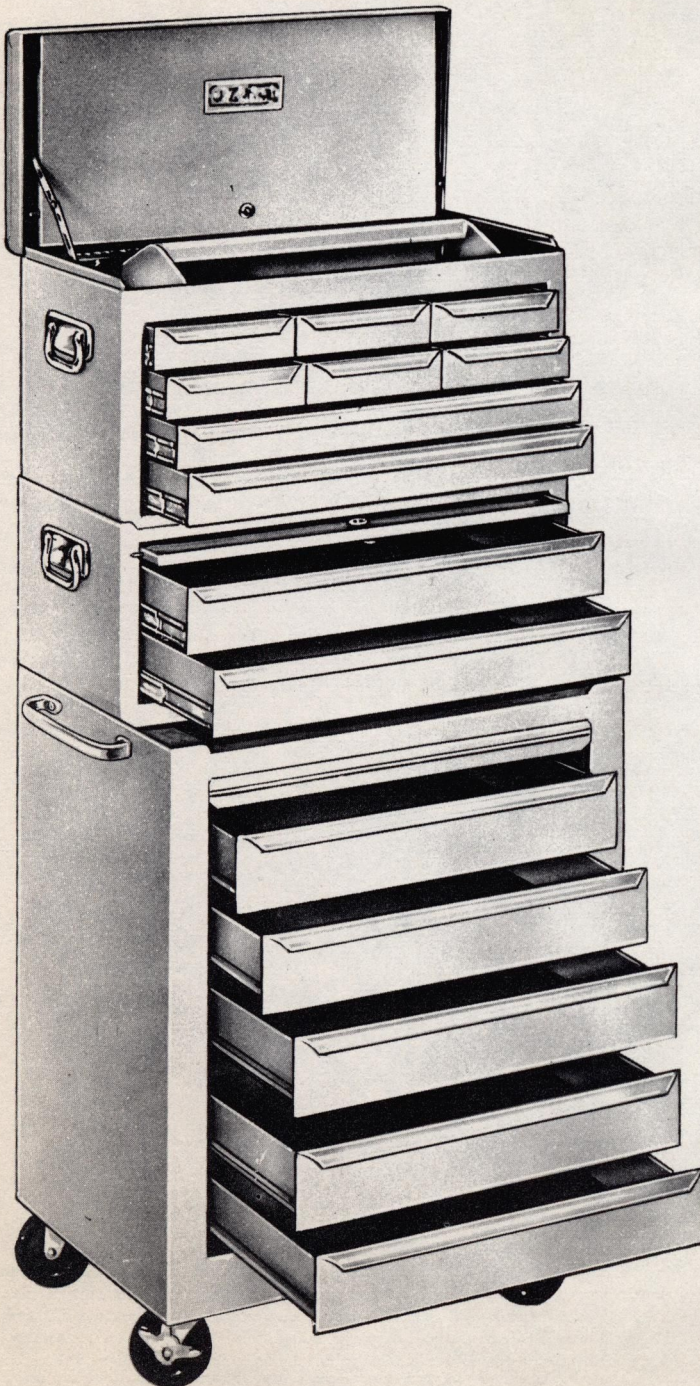
The only Roller Cabinets in their class with drawers that use heavy duty roller slides instead of the usual chest-type telescoping slides. Drawer unit is electronically welded to cabinet on all sides, making center of cabinet as strong as top and bottom. Jackknife front cover slides into cabinet top. Theftproof lock—2 keys furnished. Heavy-duty ball bearing plate-type casters have rubber wheels with extra wide tread so cabinet rolls easily over floor gratings and uneven surfaces. 2 toebrakes anchor cabinet solidly.

SPECIFICATIONS

SIZE CABINET.....	18" x 26⅞" x 32¼"
PACKING.....	1 per carton
SHIPPING WT. PER CARTON.....	123½ lbs.
NUMBER OF DRAWERS.....	5
SIZE OF DRAWERS.....	3½" x 16⅞" x 20¾"
CASTER SIZE.....	4" Wide Tread

Sparkling Red baked enamel finish.

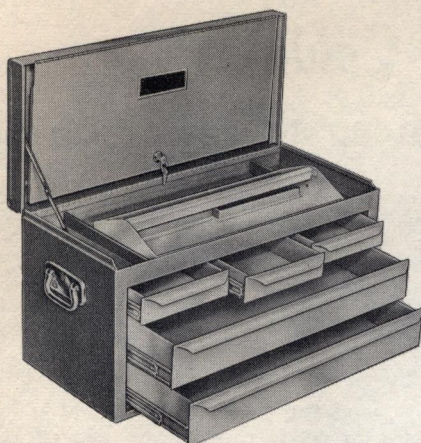
The No. B450 and No. B430 Chests also fit snugly on the No. B650.



Specifications subject to change without notice.

Any of the above units may be purchased individually.

Rugged . . . Dependable. . . Industrial Quality



No. B450 5-Drawer Chest

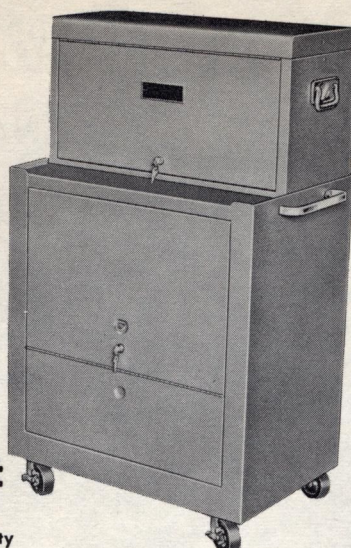
with 3-point theftproof lock

The most popular Chest—all Deluxe features. Heavy-duty girder construction. Positive stop full suspension slides. Green felt covering in top center drawer to protect delicate instruments. Large tote-tray with "V" handle.

SIZE OF CHEST	12" x 14½" x 26"
PACKING	1 per carton
SHIPPING WT. PER CARTON	55 lbs.
SIZE TILL-IN TOP	2¼" x 12" x 26"
SIZE TOTE TRAY	1½" x 7¾" x 18½"
NO. OF DRAWERS	5—(3 small)
SIZE SMALL DRAWER	2" x 11" x 7"
SIZE TOP LONG DRAWER	3½" x 11" x 23"
SIZE BOTTOM DRAWER	3½" x 11" x 23"

Sparkling Red baked enamel finish.

The No. B450 may be used as a companion with the No. B630 or B650 Roller Cabinet.



No. B630 3-Drawer Roller Cabinet

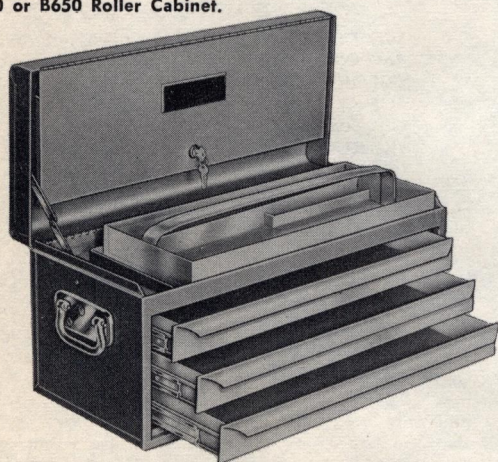
with exclusive roller slides

Our most popular Cabinet. Roller slides, Jackknife front with theftproof lock, wide tread rubber wheels with ball bearing swivel base—(2 with toe locks) and large lower space for storage.

SIZE CABINET	18" x 26¾" x 32¼"
PACKING	1 per carton
SHIPPING WT. PER CARTON	95 lbs.
NUMBER OF DRAWERS	3
SIZE OF DRAWERS	3½" x 16½" x 20¾"
SIZE BOTTOM COMPARTMENT	12" x 17¼" x 26¼"
CASTER SIZE	4" Wide Tread

Sparkling Red baked enamel finish.

The No. B450, No. B480, No. B430 and No. B720 fit snugly on the No. B630.



No. B430 3-Drawer Chest

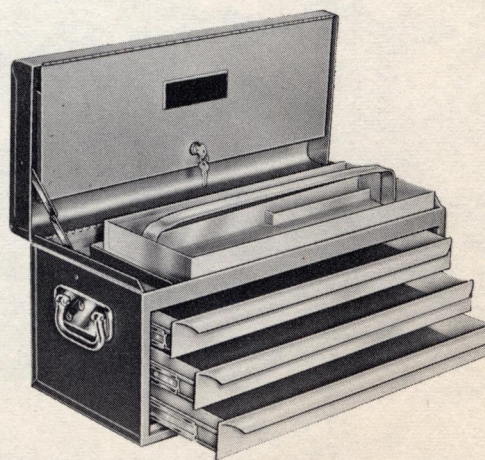
Compare them all for beauty, sales appeal, rugged construction. You'll find none better. Exclusive theftproof 3-way locking system can't be jolted or jarred out of place. 2 keys furnished. Easy compound drawer slides have positive built-in stops to permit full extension without spilling drawer contents. Full-width formed drawer handles have no bolts or screws to come loose . . . no exposed edges to injure knuckles. Heavily-plated carrying handles. Chest fits neatly on No. 630 Roller Cabinet.

SPECIFICATIONS

SIZE OF CHEST	12" x 14½" x 26"
PACKING	1 per carton
SHIPPING WT. PER CARTON	51 lbs.
SIZE TILL-IN TOP	2¼" x 12" x 26"
SIZE TOTE TRAY	1½" x 7¾" x 18½"
NUMBER OF DRAWERS	3
SIZE TOP DRAWER	2" x 11" x 23"
SIZE 2 BOTTOM DRAWERS	3½" x 11" x 23"

Sparkling Red baked enamel finish.

No. B430 may be used with the No. B650 and B630 Roller Cabinet, also with the No. B720.

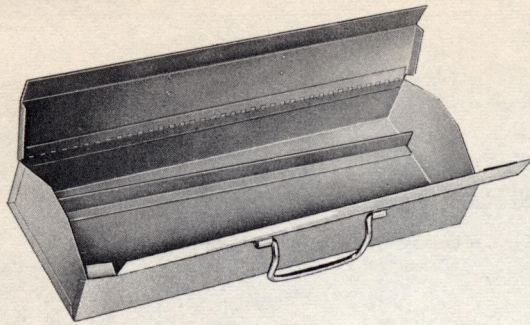


No. B330 3-Drawer Chest

Here is truly outstanding styling in smaller-size chests. Sturdy interior channel bracing of heavy gauge outer bodies make these chests equal to the most severe abuse garages and shops can give them. Foolproof lock . . . 2 keys furnished. Compound, easy-acting drawer slides. Positive stops permit drawers to be opened fully without spilling contents. Full-width formed handles . . . no bolts or screws to come loose. Heavily-plated carrying handles. Extra heavy, smoothly plated cover stop riveted in place. Flush cover with heavy reinforcing channel welded inside.

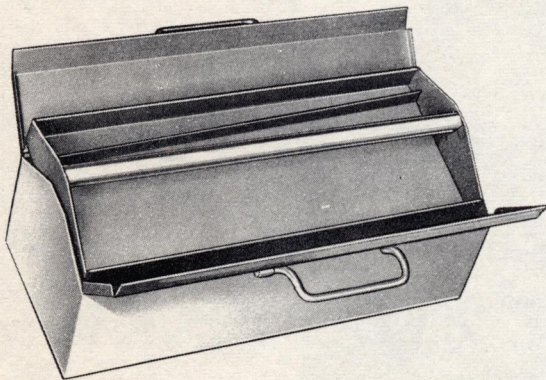
SIZE OF CHEST	10" x 10½" x 22½"
PACKING	1 per Carton
SHIPPING WT. PER CTN.	34 lbs.
SIZE TILL-IN TOP	1¾" x 9¾" x 22½"
SIZE TOTE TRAY	2" x 7¾" x 18¾"
NUMBER OF DRAWERS	3
SIZE TOP DRAWER	1¾" x 8¾" x 20"
SIZE MIDDLE DRAWER	1¾" x 8¾" x 20"
SIZE BOTTOM DRAWER	1¾" x 8¾" x 20"

Sparkling Red baked enamel finish.



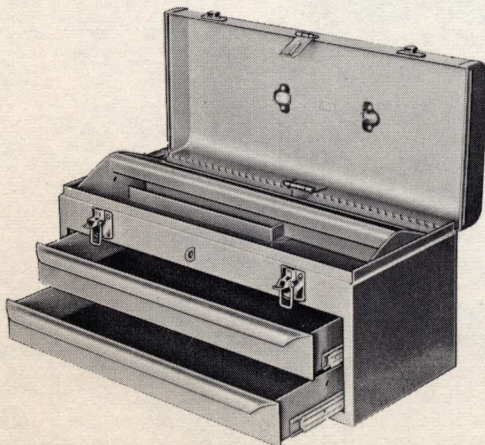
**No. B400
Small Double Hip Top Box**

Ideal for $\frac{1}{2}$ " or $\frac{3}{8}$ " drive socket set box or other small special sets. Size $3\frac{1}{2}$ " x $6\frac{1}{2}$ " x 19" — weight 5 lbs.



No. B160 Double Hip Top Box

Tremendously popular heavy industrial tool box. Lightweight, but reinforced to take rough wear. Divider for sockets. Double cover gives easy access to entire box. Size $7\frac{1}{4}$ " x $8\frac{1}{2}$ " x $16\frac{1}{4}$ " — weight 9 lbs.

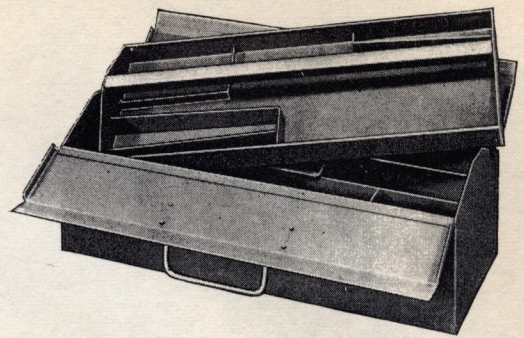


No. B220 2-Drawer Chest

Newest, smallest, most compact portable chest on the market . . . but with big size chest features. Carrying handle on top, PLUS full-length Tote Tray and 2 full-width large capacity drawers, make it ideal for carrying "on-the-job" tools. Drawers have full-width form fitting pull-out handles and positive stops on their easy-acting compound slides. Locking bar automatically secures drawers when cover is closed.

Size of Chest ----- $8\frac{5}{8}$ " x $9\frac{1}{2}$ " x 20"
Shipping Wt. per Carton ----- 20 lbs.
Size Till-In Top ----- $2\frac{3}{8}$ " x $8\frac{1}{2}$ " x 20"
Size Tote Tray ----- $15\frac{1}{8}$ " x $7\frac{5}{8}$ " x $19\frac{3}{8}$ "
Size of Drawers ----- $2\frac{1}{4}$ " x 8" x 18"

Sparkling Red baked enamel finish.

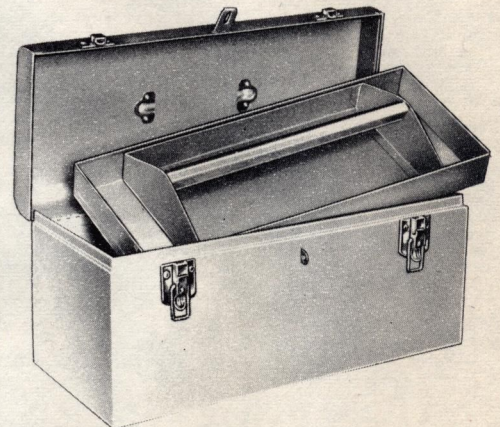


No. B-901 Gable Top Box

With Lift-Out Tote Tray

The heavy duty construction of the B-901 Box sets it apart from ordinary boxes of this popular design. 22 gauge steel is used in the sides with 18 gauge steel in the ends providing rigidity seldom found in a box of this type. There are no bolts or rivets used in its construction. All joints and seams are electrically welded so they won't loosen up. The removal tool tray has a divider for sockets and a handle for carrying. Finished in Herbrand Blue baked enamel. Dimensions over all 22 " x $8\frac{1}{2}$ " x $7\frac{1}{2}$ ". Net weight 11 lbs.

NO. B-902 Has Two Tote Trays. NET PRICE -----



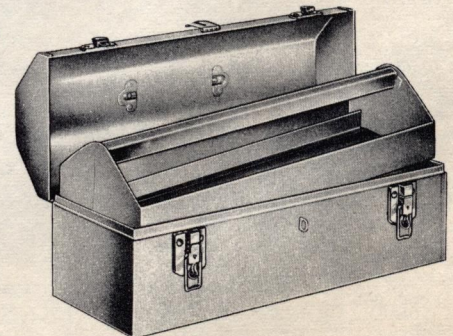
Mechanic's Kit No. B190

With Lift-Out Tote Tray

An all purpose streamlined kit with rounded corner cover. Electrically welded seams throughout. Added features include two heavy suitcase bolts, hasp and staple, and substantial handle for convenient carrying. Full size lift-out tray with formed handle and three compartments providing additional space. Finished in smooth tangerine enamel.

SIZE — 18" x $8\frac{7}{8}$ " x $7\frac{7}{8}$ ". Weight 12 pounds.

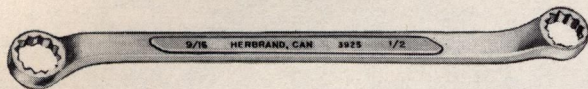
B190. NET PRICE, each -----



No. B202 Hip Roof Box

Built to accommodate standard socket sets plus ample number of other tools. An all-time favorite. Waterfall cover with heavy-duty drawbolts. Cast Aluminum handle.

SIZE 7" x 8" x $19\frac{5}{8}$ ". Weight 9 lbs.



Set No. 3901R

"Van-Chrome" Ultra Box Wrenches

Modern—Improved—Specially Angled—Panelled Handles

Drop Forged from Chrome Vanadium Steel

Ultra in name, ultra in modern design, these wrenches are the utmost in versatility and offer the broadest scope of service. Herbrand introduces them after working extensively with mechanics in order to develop a box wrench to the highest degree of perfection, which would be more efficient and better adapted to the service of modern cars.

Low and close clearances offer no difficulties of accessibility, because the heads are distinctively angled at approximately 45 degrees. This new angle assures perfect clearance for both knuckles and head bolts, but retains sufficient offset to reach countersunk or imbedded nuts with ample leverage for a strong pull and without any possibility of tilting. The extremely thin side walls of the 12-point openings are machined to exacting tolerances to snugly fit bolt heads or nuts for which they are sized. Chamfered both top and bottom, so that either side may be used with equal facility, they locate and engage automatically.

Painstakingly engineered to a very definite formula for perfect graduation and balance of length, size openings and clearance on to-day's compact motors. Beauty of appearance and perfect comfort of grip have been combined in the raised bar design which readily marks them as quality tools of distinction.

Individually drop forged from the finest Chrome Vanadium Steel and scientifically heat treated for lifetime service. Handsomely triple plated in lustrous chrome with heads polished to mirror brightness.

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Net Price Each
3923	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{5}{16}$ & $\frac{3}{4}$	..... $\frac{1}{4}$	7 $\frac{1}{2}$	
3925	$\frac{1}{2}$ & $\frac{9}{16}$	.....	$\frac{3}{8}$ & $\frac{5}{8}$	..... $\frac{3}{8}$	8 $\frac{3}{4}$	
3927	$\frac{5}{8}$ & $\frac{11}{16}$	.....	$\frac{7}{8}$ & $1\frac{1}{8}$	..... $\frac{1}{2}$	9 $\frac{1}{4}$	
3929	$\frac{3}{4}$ & $1\frac{1}{16}$	.....	$1\frac{1}{8}$ & $1\frac{1}{4}$	..... $\frac{3}{4}$	12 $\frac{1}{2}$	
3931	$\frac{7}{8}$ & $1\frac{1}{8}$	.....	$1\frac{1}{2}$ & $1\frac{3}{4}$	..... $1\frac{1}{2}$	13 $\frac{1}{2}$	
3933	$1\frac{1}{8}$ & $1\frac{1}{4}$	.....	$1\frac{3}{4}$ & 2$	..... 1\frac{3}{4}$	15 $\frac{1}{2}$	
3934	$1\frac{1}{4}$ & $1\frac{3}{4}$	.....	2 & $2\frac{1}{4}$	..... 2	17 $\frac{1}{2}$	

EXTRA LONG

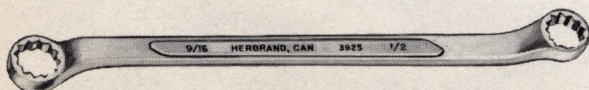
Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Net Price Each
*3935	$1\frac{1}{2}$ & $1\frac{3}{4}$	.....	$2\frac{1}{2}$ & 3$	..... 2\frac{1}{2}$	16	
*3937	$1\frac{3}{4}$ & 2	.....	3 & $3\frac{1}{2}$	..... 3	18	
*3938	2 & $2\frac{1}{4}$	.....	$3\frac{1}{2}$ & 4$	..... 3\frac{1}{2}$	20	
*3939	$2\frac{1}{4}$ & $2\frac{1}{2}$	.....	4 & $4\frac{1}{2}$	..... 4	20	

*Do not have embossed panel design.

SET NO. 3901 contains 6 wrenches, one each of 3923 to 3933 inclusive.

NET PRICE, in fibre box.....

NET PRICE, in Vinyl roll.....



Van-Chrome Box Wrenches

B.S.F. and Whitworth Openings

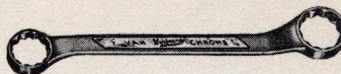
SPECIAL 30° ANGLE—PANELLED HANDLES

Whitworth Standard

Wrench No.	(B.S.W.) British Standard Whitworth: Bolt Sizes	Wrench Opening Actual Broached Sizes		Fractional Size of Nut Across Flats (Approx.)	Length	Net Price Each
		Small Head	Large Head			
BW-3623	$\frac{1}{8}$ & $\frac{3}{16}$	.350	.460	$\frac{11}{32}$ & $\frac{29}{64}$	6 $\frac{1}{2}$	....
BW-3627	$\frac{1}{4}$ & $\frac{5}{16}$	.534	.611	$\frac{17}{32}$ & $\frac{19}{32}$	8 $\frac{3}{8}$	....
BW-3629	$\frac{3}{8}$ & $\frac{7}{16}$	.611	.721	$\frac{19}{32}$ & $\frac{45}{64}$	9 $\frac{1}{16}$	....
BW-3633	$\frac{1}{2}$ & $\frac{5}{8}$	.836	.935	$\frac{15}{16}$ & $\frac{59}{64}$	12 $\frac{1}{4}$	....

SET NO. BW. 3620 contains 1 each of the above.

NET PRICE, in fibre box..... ; in leatherette roll.....

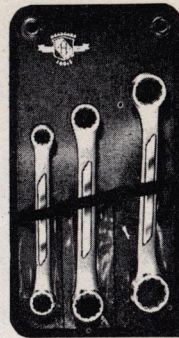


"Van-Chrome" Ultra Box Wrenches

Improved Short Offset Pattern Panelled Handles

Drop Forged from Chrome Vanadium Steel

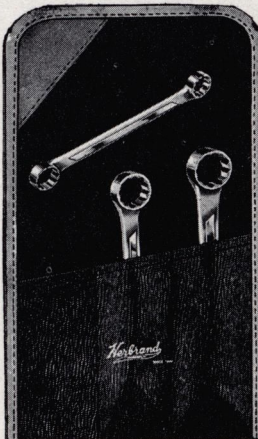
Another Ultra Box Wrench with modified offset heads, which is extremely practical and necessary for awkwardly placed nuts where the turning radius is limited. Distinguished by the panelled handles and refined engineering features, this wrench is precision built from the finest Chrome Vanadium Steel and attractively finished in two-tone chrome with heads polished to a high lustre.



SET NO. 4920

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Net Price Each
4923	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{5}{16}$ & $\frac{3}{4}$	..... $\frac{1}{4}$	4 $\frac{3}{4}$	
4925	$\frac{1}{2}$ & $\frac{9}{16}$	.....	$\frac{3}{8}$ & $\frac{5}{8}$	..... $\frac{3}{8}$	5 $\frac{1}{4}$	
4927	$\frac{5}{8}$ & $\frac{11}{16}$	.....	$\frac{7}{8}$ & $1\frac{1}{8}$	..... $\frac{1}{2}$	6	
4929	$\frac{3}{4}$ & $1\frac{1}{16}$	.....	$1\frac{1}{8}$ & $1\frac{1}{4}$	..... $\frac{3}{4}$	6 $\frac{3}{8}$	

SET NO. 4920 contains one each of 4923, 4925, 4927. Weight 10 ozs.
NET PRICE, in box..... in Vinyl pouch.....



Set No. 6920



"Van-Chrome" Ultra Box Wrenches

Improved 15° Angle Pattern Panelled Handles

Drop Forged from Chrome Vanadium Steel

This new 15° angle design is a distinct engineering improvement; has slim, graceful lines, maximum accessibility, is faster in service and easier to handle.

Careful drop forging from select Chrome Vanadium Steel, expert heat treatment precision machined and panelled handles immediately identify these Ultra Box Wrenches as super-quality tools of distinction. Triple plated in a two-tone chrome with the heads highly polished.

SHORT 15° PATTERN

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Net Price Each
6923	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{5}{16}$ & $\frac{3}{4}$	..... $\frac{1}{4}$	4 $\frac{1}{4}$	
6925	$\frac{1}{2}$ & $\frac{9}{16}$	.....	$\frac{3}{8}$ & $\frac{5}{8}$	..... $\frac{3}{8}$	5	
6927	$\frac{5}{8}$ & $\frac{11}{16}$	.....	$\frac{7}{8}$ & $1\frac{1}{8}$	..... $\frac{1}{2}$	5 $\frac{1}{4}$	

SET NO. 6920 contains one each of the above. Weight 8 ozs.

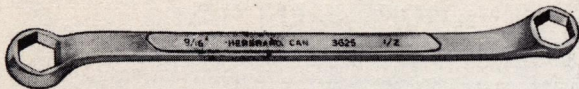
NET PRICE, in box..... in Vinyl pouch.....

LONG 15° PATTERN

Wrench Number	Size Openings	O.D. Heads	O.A. Length	Wt. Lbs. 10 Pcs.
5923	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{64}$ & $2\frac{1}{32}$	6 $\frac{1}{2}$	1 $\frac{1}{8}$
5925	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{23}{32}$ & $\frac{13}{16}$	7 $\frac{1}{2}$	1 $\frac{3}{16}$
5927	$\frac{5}{8}$ & $\frac{11}{16}$	$\frac{13}{16}$ & $\frac{5}{8}$	8 $\frac{1}{32}$	2 $\frac{1}{8}$
5929	$1\frac{1}{8}$ & $\frac{3}{4}$	$\frac{63}{64}$ & $1\frac{1}{16}$	9 $\frac{3}{4}$	3 $\frac{3}{8}$
5931	$1\frac{1}{4}$ & $\frac{3}{4}$	$1\frac{1}{32}$ & $1\frac{1}{4}$	11	5 $\frac{1}{8}$

SET NO. 5920R (5 Pieces)

Box Wrench Set 15° Angle Offset. Includes size range from $\frac{3}{8}$ " to $\frac{7}{8}$ ". Wrench Nos. 5923, 5925, 5927, 5929, 5931. In vinyl tool roll.



6 POINT

"Van-Chrome" Ultra Box Wrenches

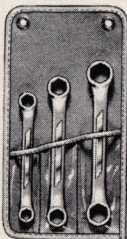
Modern—Improved—Specially Angled—Panelled Handles

Drop Forged from Chrome Molybdenum Steel

Takes a full grip on all six sides of Hex nuts or bolts even when badly chewed up. Thin side walls permits use in cramped quarters. Heads are offset to reach countersunk or imbedded nuts. Handsome chrome finish mirror polished heads identify these tools as the finest in the wrench field.

LONG PATTERN

Wrench No.	Openings Broached	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Std. Nuts and Cap Screws	Length	Net Price Each
3623	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{8}$ & $\frac{1}{4}$	$\frac{1}{4}$	6 $\frac{1}{2}$	
3625	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{5}{8}$ & $\frac{3}{4}$	7 $\frac{1}{2}$	
3627	$\frac{5}{8}$ & $\frac{3}{4}$	.....	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{3}{4}$ & $\frac{1}{2}$	8 $\frac{3}{8}$	



Set No. 4620R

Short Double Offset Box Wrench Set. 6 popular 6 Point openings $\frac{3}{8}$ " to $\frac{1}{2}$ ". Includes Wrenches Nos. 4623, 4625 and 4627. In vinyl tool roll shown No. K-4620.

6 POINT

"Van-Chrome" Ultra Box Wrenches

Increasing service work on modern motors has created a definite need for box wrenches with 6-point openings. Such wrenches take a full grip on all 6 sides of hex nuts or bolts, even when badly chewed up. Thin side walls permit use in cramped quarters. Heads are offset to reach countersunk or imbedded nuts. Drop forged from triple alloy steel and heat-treated for extra toughness. Handsome chrome finish, mirror polished heads, and distinctive paneled handles identify these tools as the finest quality in the wrench field.



SHORT PATTERN

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Net Price Each
4623	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{8}$ & $\frac{1}{4}$	$\frac{1}{4}$	4 $\frac{1}{4}$	
4625	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{5}{8}$ & $\frac{3}{4}$	5	
4629	$\frac{5}{8}$ & $\frac{3}{4}$	.....	$\frac{3}{4}$ & $\frac{7}{8}$	.....	6 $\frac{3}{8}$	

SET NO. 4620-R contains one each of 4623, 4625, 4627 in K-4620 Vinyl Roll. Weight 8 ozs.



"Van-Chrome" Multihex Box Wrenches

45° Offset Patterns

Drop Forged from Chrome Molybdenum Steel

LONG OFFSET PATTERN

Wrench No.	Openings Broached	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Std. Nuts and Cap Screws	Length	Net Price Each
3723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{8}$ & $\frac{1}{4}$	$\frac{1}{4}$	8 $\frac{1}{2}$	
3725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{5}{8}$ & $\frac{3}{4}$	9	
3727	$\frac{5}{8}$ & $\frac{3}{4}$	.....	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{3}{4}$ & $\frac{1}{2}$	9 $\frac{3}{4}$	
3727A	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{8}$ & $\frac{1}{4}$	$\frac{1}{4}$	11	
3729A	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{5}{8}$ & $\frac{3}{4}$	12 $\frac{1}{2}$	
3731B	$\frac{5}{8}$ & $\frac{3}{4}$	.....	$\frac{3}{4}$ & $\frac{7}{8}$	.....	

SET NO. 3700 carries one each of 5 Long Offset Box Wrenches, Nos 3723, 3725B, 3727A, 3729A and 3731B. NET PRICE, in box..... in leatherette case.....



VAN-CHROME MULTIFLEX BOX WRENCHES

Swivel Heads

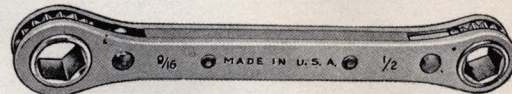
Drop Forged from Chrome Molybdenum Steel

With all the ability and free leverage of a solid wrench, yet working easily around interfering parts, the Multiflex reaches concealed nuts with a grip that eliminates the hazard of slipping and skinning knuckles or rounding corners of nuts and bolts. Especially suited for use on the clutch pan of Dodge, De Soto and Plymouth. The forged extra deep 12-point sockets and very thin, straight walls give maximum clearance and readily engage those sunken nuts which are not accessible to ordinary wrenches. True to its name the Multiflex is both flexible and serves a multitude of uses, because it adjusts instantly to any angle. The swivel heads break over to 90°, and are equipped with compression springs to retain any working position desired, and handle nuts and bolts even at the most awkward angles. Chrome plated with brightly polished heads.

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Net Price Each
6823	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{8}$ & $\frac{1}{4}$	$\frac{1}{4}$	7 $\frac{3}{8}$	
6825	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{5}{8}$ & $\frac{3}{4}$	8 $\frac{3}{4}$	
6827	$\frac{5}{8}$ & $\frac{3}{4}$	.....	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{3}{4}$ & $\frac{1}{2}$	9	

SET NO. 6821 contains 1 each of 6823, 6825, 6827.

NET PRICE, in fibre box..... in Vinyl roll.....



RATCHET BOX WRENCHES

A simple construction "ratchet-action" box wrench series. Invaluable on long studs as well as small confined areas where sockets cannot enter. Laminated construction for greater strength. Small sizes are 6-point openings, large sizes 12-point. Polished chrome finish.

Wrench Number	Size Openings	Thickness Heads	O.A. Length	Wt. Lbs. 10 Pcs.
*3821	$\frac{1}{4}$ & $\frac{3}{8}$	$\frac{3}{8}$	5 $\frac{1}{2}$	
*3823	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$	5 $\frac{1}{2}$	2 $\frac{3}{8}$
*3825	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{2}$	6 $\frac{3}{4}$	4 $\frac{3}{8}$
3827	$\frac{5}{8}$ & $\frac{3}{4}$	$\frac{1}{2}$	8	6 $\frac{3}{8}$
3828	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{1}{2}$	8	6 $\frac{1}{2}$
3829	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{1}{2}$	9 $\frac{1}{4}$	7 $\frac{1}{2}$

SET NO. 3820 contains one each of the above in Vinyl Plastic Roll.

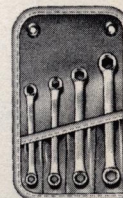
* Single hex openings.

"Van-Chrome" Midget Box Wrenches

For Electrical and Ignition Work

Drop Forged from Chrome Molybdenum Steel

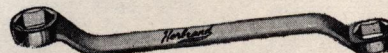
Modern car service requirements have created a definite need for the Offset, Box Type Midget Wrenches because of the increasing inaccessibility and the short turning radius encountered when working on ignition systems, generators, carburetors, distributors, radios, electrical appliances, or for any other tiny nut adjustments. Herbrand Midgets are accurately broached with 6-point openings for perfect engagement of small nuts, and both ends are offset for easy clearance of obstructions. Lengths are correct for perfect balance. Chrome plated, with polished heads.



"Van-Chrome" Midget Box Wrenches

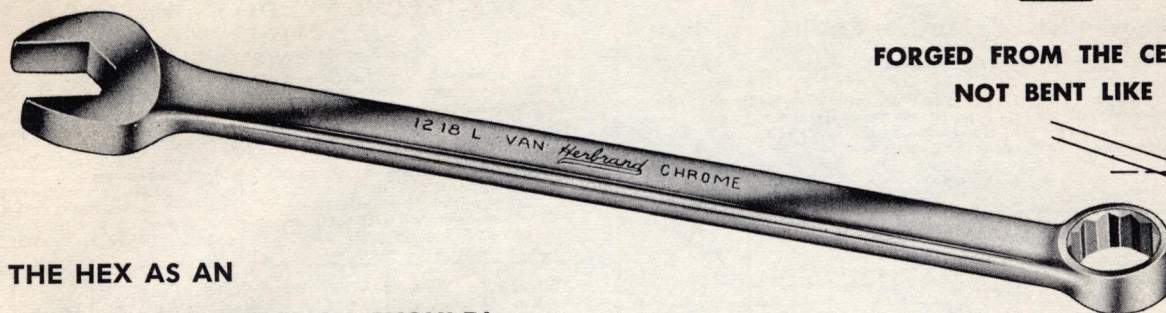
Set No. 70R

Midget Box Wrench Set Includes Nos. 71, 72, 73, 74. In vinyl tool roll as shown No. K-70.



Wrench Number	Size Openings	Length	Weight per Doz. Ozs.	Net Price Each
71	$\frac{1}{16}$ and $\frac{1}{8}$	2 $\frac{7}{8}$	3	
72	$\frac{1}{8}$ and $\frac{1}{4}$	3 $\frac{3}{8}$	3	
73	$\frac{1}{4}$ and $\frac{3}{8}$	3 $\frac{3}{8}$	6	
74	$\frac{3}{8}$ and $\frac{1}{2}$	3 $\frac{3}{4}$	9	

**NEW "HEX-FIT" LONG "L" SERIES COMBINATION WRENCHES
WITH HEX STYLE OPEN END—6 & 12 POINT BOX**



FITS THE HEX AS AN

END WRENCH SHOULD!



The "HEX-FIT" "L" series is a completely new combination wrench offering the mechanic the ultimate in tool performance.

Several important features of the Herbrand "HEX-FIT" series include the new longer length which, combined with the remarkable thin, yet strong body design provides excellent leverage and perfect balance. The modern designed trim style box end is forged from the center line on a 15 degree angle! NOT bent after forging like ordinary wrenches!

Precision milled open ends and broached box ends are sharp, clean and very accurate for perfect gripping of all nuts and bolts.

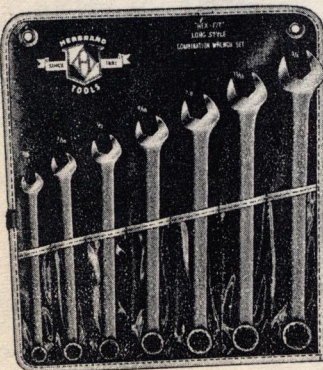
Open end heads are narrow shaped and thin to allow access where clearance is a problem due to obstruction or limited openings.

Adaptable to all repair and maintenance work the "HEX-FIT" "L" series will offer long service to the mechanic and repair man who desires the finest in combination wrenches.

Drop forged from strong alloy steel the "L" series is skillfully hand polished to a jewel rich finish—truly the very best in wrench design.

"HEX-FIT" COMBINATION WRENCH SETS

Set No. 1291LR



7-Piece Set No. 1291LR

Includes one each 1212LH ($\frac{3}{8}$ "), 1214LH ($\frac{7}{16}$ "), 1216LH ($\frac{1}{2}$ "), 1218LH ($\frac{5}{8}$ "), 1220LH ($\frac{3}{4}$ ") and 1224LH ($\frac{1}{2}$ "). Wrenches are contained in a sturdy vinyl roll.

Set No. 1291LB (same set in fibre box only).

Set No. 1292LR

The same as 1291LR with 12 point openings. Set No. 1292-LB same as above in fibre box.

5-Piece Set No. 1290LR

Includes 5 most popular sizes in 6 point openings including $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ " and $\frac{3}{4}$ ".

Set No. 1290LB same as above in fibre box.

10-Piece Set No. 1294LR

Wrench numbers and sizes are 1214L ($\frac{7}{16}$ "); 1216L ($\frac{1}{2}$ "); 1218L ($\frac{5}{8}$ "); 1220L ($\frac{3}{4}$ "); 1222L ($\frac{11}{16}$ "); 1224L ($\frac{3}{4}$ "); 1226L ($\frac{13}{16}$ "); 1228L ($\frac{7}{8}$ "); 1230L ($\frac{15}{16}$ "); and 1232L (1").

Set No. 1294LB Same set in Fibre Box only. -----

12-POINT

Head Diameter

Wrench Number	Size Opening	Box End	Open End	O.A. Length	Wt. Lbs. 10 Pcs.	Price Each
1212L	$\frac{3}{8}$	$\frac{19}{32}$	$\frac{51}{64}$	$6\frac{5}{8}$	1 lb.	
1214L	$\frac{7}{16}$	$\frac{43}{64}$	$\frac{15}{16}$	$7\frac{1}{4}$	1 lb. 9 oz.	
1216L	$\frac{1}{2}$	$\frac{3}{4}$	$1\frac{1}{16}$	$7\frac{23}{32}$	1 lb. 14 oz.	
1218L	$\frac{5}{8}$	$\frac{27}{32}$	$1\frac{3}{16}$	$8\frac{11}{32}$	2 lb. 6 oz.	
1220L	$\frac{3}{4}$	$\frac{15}{16}$	$1\frac{3}{8}$	9	2 lb. 13 oz.	
1222L	$\frac{11}{16}$	1	$1\frac{7}{16}$	$9\frac{23}{32}$	3 lb. 7 oz.	
1224L	$\frac{3}{4}$	$1\frac{3}{32}$	$1\frac{3}{8}$	$10\frac{15}{32}$	4 lb.	
1226L	$\frac{13}{16}$	$1\frac{3}{16}$	$1\frac{11}{16}$	$11\frac{3}{16}$	6 lb.	
1228L	$\frac{7}{8}$	$1\frac{9}{32}$	$1\frac{13}{16}$	$12\frac{3}{16}$	7 lb. 8 oz.	
1230L	$\frac{15}{16}$	$1\frac{3}{8}$	$1\frac{15}{16}$	$13\frac{1}{16}$	8 lb. 12 oz.	
1232L	1	$1\frac{15}{32}$	$2\frac{1}{16}$	$13\frac{15}{16}$	12 lb.	
1234L	$1\frac{1}{16}$	$1\frac{9}{16}$	$2\frac{3}{16}$	$14\frac{27}{32}$	14 lb.	
1236L	$1\frac{1}{8}$	$1\frac{21}{32}$	$2\frac{3}{8}$	$15\frac{3}{32}$	17 lb. 8 oz.	
1240L	$1\frac{1}{4}$	$1\frac{27}{32}$	$2\frac{3}{4}$	$16\frac{1}{2}$	20 lb. 8 oz.	
1242N	$1\frac{3}{8}$	$1\frac{13}{16}$	$2\frac{1}{2}$	18	20½ lb.	
1246N	$1\frac{7}{16}$	$2\frac{3}{32}$	3	21	35 lb.	

6-POINT

Head Diameter

Number Wrench	Opening Size	End Box	Open End	O.A. Length	Wt. Lbs. 10 Pcs.	Price Each
1212LH	$\frac{3}{8}$	$\frac{19}{32}$	$\frac{51}{64}$	$6\frac{5}{8}$	1 lb.	
1214LH	$\frac{7}{16}$	$\frac{43}{64}$	$\frac{15}{16}$	$7\frac{1}{4}$	1 lb. 9 oz.	
1216LH	$\frac{1}{2}$	$\frac{3}{4}$	$1\frac{1}{16}$	$7\frac{23}{32}$	1 lb. 14 oz.	
1218LH	$\frac{5}{8}$	$\frac{27}{32}$	$1\frac{3}{16}$	$8\frac{11}{32}$	2 lb. 6 oz.	
1220LH	$\frac{3}{4}$	$\frac{15}{16}$	$1\frac{3}{8}$	9	2 lb. 13 oz.	
1222LH	$\frac{11}{16}$	1	$1\frac{7}{16}$	$9\frac{23}{32}$	3 lb. 7 oz.	
1224LH	$\frac{3}{4}$	$1\frac{3}{32}$	$1\frac{3}{8}$	$10\frac{15}{32}$	4 lb.	

14-PIECE SET NO. 1296LR

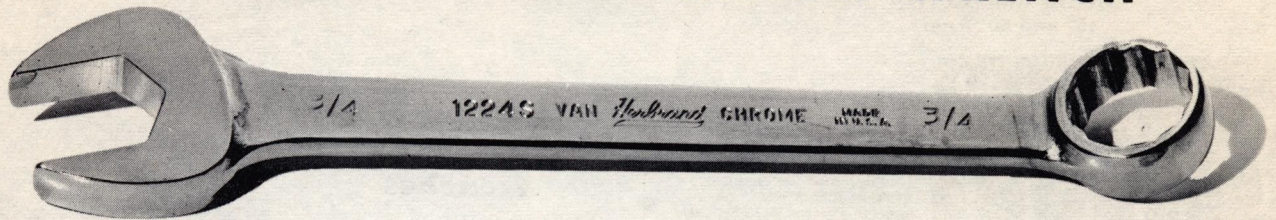
Fourteen beautifully matched wrenches in 12-point openings covering the full range of sizes from $\frac{3}{8}$ " to $1\frac{1}{4}$ ".

Same set in Fibre Box only (Set No. 1296LB) -----

7-PIECE SET NO. 1293LR

Set No. 1293LR is a combination set of (4) 6-point, $\frac{3}{8}$ " to $\frac{1}{2}$ " and (3) 12-point, $\frac{5}{8}$ " to $\frac{3}{4}$ ", in sturdy vinyl roll.

THE NEW SHORT SERIES! "HEX-FIT" COMBINATION WRENCH



"HEX-FIT" WRENCH

Precision milling of "Hex-fit" wrench provides an accurate, close fit, limited only by the tolerance of the nut. Results: no slip, no burr, no busted knuckles.

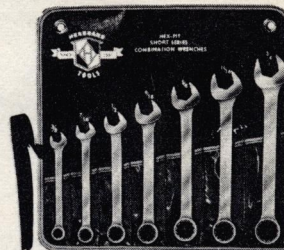
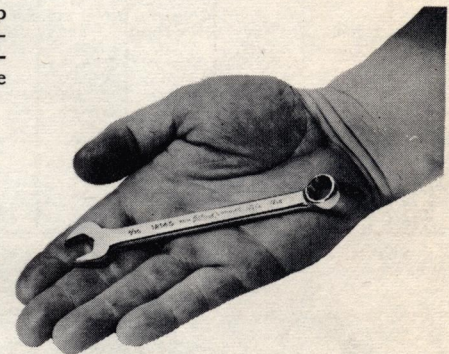
With jewel-rich, hand-polished finish, compact, contour-shaped heads, 6 and 12 point ends, the new "Hex-fit" wrenches reflect Herbrand's 78 years of leadership in producing the finest job-matched tools for the professional mechanic. Rapier-thin and perfectly balanced, they provide easy access to hard-to-reach areas — permit extra speed in handling — give greater torque and better leverage. See them, feel them and you'll agree they're the ultimate in wrench design.

12-POINT HEAD DIAMETER

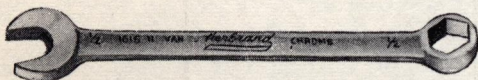
Wrench	Size	Box	Open.	O.A.L.
1212S	3/8	39/64	13/16	4 11/16
1214S	7/16	43/64	29/32	5 3/16
1216S	1/2	3/4	1 1/32	5 11/16
1218S	9/16	27/32	1 5/32	6 7/32
1220S	5/8	15/16	1 9/32	6 27/32
1222S	11/16	1	1 13/32	7 15/32
1224S	3/4	1 1/32	1 17/32	8 1/8

6-POINT

1208SH	1/4			3 23/32
1210SH	5/16			4 7/32
1212SH	3/8	39/64	13/16	4 11/16
1214SH	7/16	43/64	29/32	5 3/16
1216SH	1/2	3/4	1 1/32	5 11/16
1218SH	9/16	27/32	1 5/32	6 7/32
1220SH	5/8	15/16	1 9/32	6 27/32
1222SH	11/16	1	1 13/32	7 15/32
1224SH	3/4	1 1/32	1 17/32	8 1/8



3 SEVEN-PIECE SETS 3/8" to 3/4"
1283SR: 6-point openings
1284SR: 12-point openings
1285SR: 4, 6-point, 3, 12-point openings



6 POINT VAN-CHROME "N" SERIES COMBINATION WRENCHES

15° Angle Offset

Takes a full grip on all six sides of hex nuts or bolts even when badly chewed up or undersize. Especially useful on Parker-Kalon self-threading screws.

Wrench No.	Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts & Cap Screws	Length	Weight Per Doz. Lbs. Ozs.	Net Price Each
1612N	3/8	..	..	3/16	4 1/2	..	..
1614N	7/16	..	3/4	3/4	5	1	5
1616N	1/2	3/4	3/4	5/8	5 1/2	1	8
1618N	9/16	..	3/4	3/4	6	2	1
1620N	5/8	..	3/4	3/4	6 1/2	2	10

Set No. 1625NR contains 1 each of the above five sizes in leatherette pouch.
NET PRICE.....

For Metric Combination Wrenches on page 27



"VAN-CHROME" MULTITYPE WRENCHES

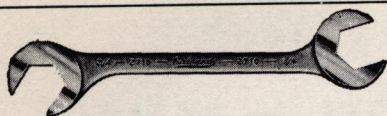
Combination Box and Open End

Drop Forged from Chrome Vanadium Steel

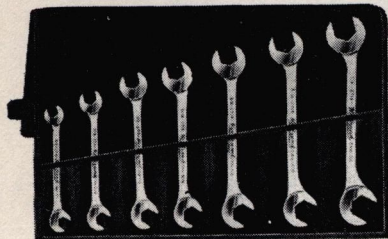
Offset-Open End 22 1/2° — Box End 15°

Head Diameter

Wrench Number	Size Openings	Box End	Open End	O.A. Length
1212 N	3/8	19/32	57/64	4 1/2
1214	7/16	21/32	29/32	5
1216	1/2	25/32	1 1/16	5 1/2
1218	9/16	27/32	1 3/16	6
1220	5/8	3 1/32	1 9/32	6 1/2
1222	11/16	1 1/32	1 3/8	7
1224	3/4	1 1/8	1 15/32	8 1/4
1226	13/16	1 3/16	1 11/16	8 3/4
1228	7/8	1 9/32	1 27/32	10 1/2
1230	15/16	1 3/4	2 1/32	12 1/4
1232	1	1 7/16	2 3/8	14 1/2
1236	1 1/8	1 27/32	2 3/4	17



ANGLE WRENCHES
15° and 60° Angle

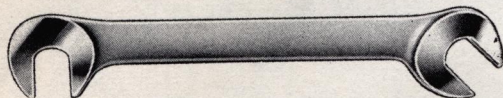


SET NO. 2700K

Specially designed for efficiency in aircraft and marine maintenance work. Enables the mechanic to work in places where clearance is limited. Identical openings in both heads.

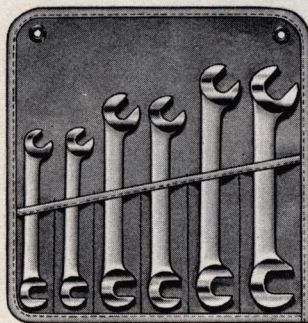
Wr. No.	Nominal Openings	For Amer. Std. Heavy Nuts, (U.S.S.) Size Bolts	For Amer. Std. Hex Head Cap Screws; Diam. Screws	For Amer. Std. Light Nuts; (S.A.E.) Size Bolts	For Amer. Std. Regular Nuts; Size Bolts	Extreme Length Approx.	Net Price Each
2710	3/8 & 3/8	..	3/8	1/4	1/4	4 3/4	
2711	1/2 & 1/2	1/4	1/2	3/8	3/8	5	
2712	3/4 & 3/4	3/8	3/4	1/2	1/2	5 1/4	
2713	7/8 & 7/8	1/2	7/8	3/4	3/4	5 3/4	
2714	1 & 1	3/4	1	1	1	6 1/4	
2715	1 1/8 & 1 1/8	1	1 1/8	1 1/8	1 1/8	6 3/4	
2716	1 1/2 & 1 1/2	1 1/8	1 1/2	1 1/2	1 1/2	7 1/4	

SET NO. 2700K contains one each of above wrenches in pocket leatherette case. NET PRICE, in box.



"VAN-CHROME" OBSTRUCTO WRENCHES
45° and 90° Angle

Drop Forged from Chrome Vanadium Steel



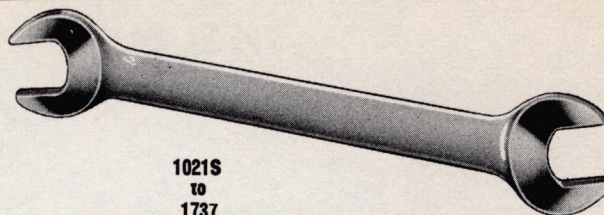
SET NO. 1836R

Their unique design makes it possible to reach obscure nuts or bolts and saves many hours of trying labor. The thin heads and narrow, pointed jaws reach around obstructions and positively move hidden nuts in positions that ordinary wrenches cannot reach. The comfortable grips are finished in smooth, chrome plate and the heads are polished to mirror brightness.

Wr. No.	Openings Milled	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Thickness Heads	Length	Net Price Each
1821	3/8	..	3/8	1/4	11/16	5 1/4	
1823	1/2	1/4	1/2	3/8	1 1/4	5 1/2	
1825	3/4	3/8	3/4	1/2	1 3/4	6 1/2	
1827	7/8	1/2	7/8	3/4	1 7/8	6 3/4	
1829	1	3/4	1	1	2	7 1/2	
1831	1 1/8	1	1 1/8	1 1/8	2 1/8	7 3/4	

SET NO. 1836R contains one each of above wrenches.

NET PRICE, in box. in Vinyl case.



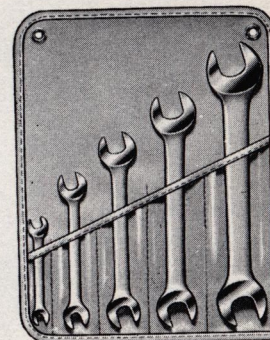
1021S
to
1737

Automotive Wrenches

15° Angle Pattern

Drop Forged from Chrome Steel

The lightest, thinnest, longest and strongest wrenches of their type. Heat treated their entire length to give positive toughness and uniform durability. The pointed jaws and thin narrow heads reach into places where other wrenches can't. Will not break or spread under normal usage. Beautifully finished with chrome plated grips and mirror polished heads. Refinements in design increase their efficiency and accessibility.



SET No. 1750-R

Automotive Wrench Selection Table

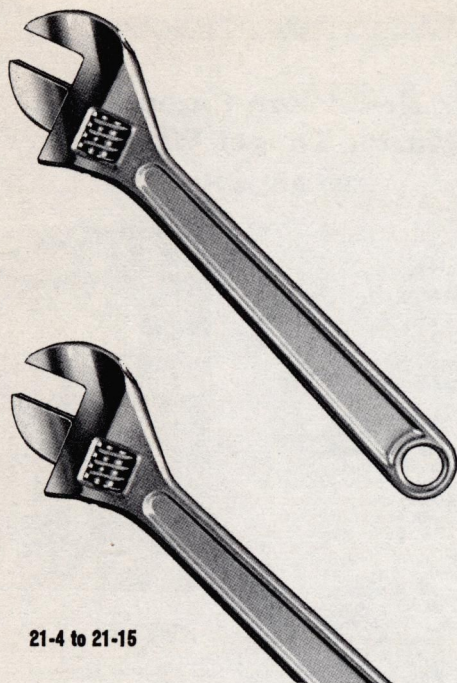
Wrench No.	Openings	Length	Thickness	Dealer Net Price
1021S	1/4 & 5/16	3 1/2"	5/32	
1721	5/16 & 3/8	4 1/2	3/16	
1723	3/8 & 1/2	5	7/32	
1725	1/2 & 5/8	5 3/4	} 7/32	
1725A	1/2 & 5/8	6		
1725B	1/2 & 5/8	6 1/4		1 5/8
1727	5/8 & 3/4	6 3/4	1 1/4	
1027B	5/8 & 1 1/8	7 1/2	3/2	
1729	5/8 & 3/4	7 3/4	1 5/8	
1731	3/4 & 1 1/8	} 9	2 1/4	
1731A	3/4 & 1 1/8			
1731B	1 1/8 & 7/8	} 9 1/2	1 1/2	
1033A	7/8 & 1 1/8			
1733	7/8 & 1			3/8
1033C	1 1/8 & 1 1/4	} 11	1 3/2	
1034A	1 1/8 & 1 1/4			
1735	1 & 1 1/8	} 12 1/2	1 5/2	
1736	1 & 1 1/4			
1037	1 1/8 & 1 1/4	} 12 3/4	1/2	
1737	1 1/8 & 1 1/4			

SET NO. 1750R (5 Pieces)

Contains 10 most popular openings from 1/4" to 3/8". Includes Nos. 1021S, 1723, 1725B, 1027B, 1731A, in Vinyl roll.

SET NO. 1760R (10 Pieces)

One each of Nos. 1021S, 1723, 1725, 1725-B, 1727, 1027-B, 1731, 1731-A, 1033-C, 1737. Weight 2 lbs. 4 ozs. In Vinyl roll.



21-4 to 21-15

Van-Chrome Open End Adjustable Wrenches

Thin—Strong—Perfectly Balanced

Drop Forged from Chrome Alloy Steel

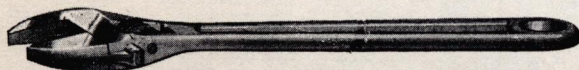
Extra thin and extra strong, these New Adjustable Wrenches have a full, deep throat straight back to the frame which give a greater bearing and a full bite on both square and hex nuts—no slipping or "knuckle busting." The movable jaw has a wide bearing surface which rests on the frame eliminating spring and unnecessary strain and giving greater support in any position, particularly when the jaw is fully open.

The tapered jaws are perfectly matched and so thin that they reach places inaccessible to ordinary wrenches, but are so strong that they withstand breaking tests that most wrenches of this type cannot meet.

The free-riding jaw adjusts instantly by a turn of the easy-running knurl screw, which has four tempered threads accurately meshed in the forged jaw to hold any adjustment firmly and allow greater pressure on the handle without slipping. The handle is graduated to a wider end to fit the hand comfortably in a natural gripping position and imparts perfect balance to the wrench under pressure.

Both handle and jaw are drop forged from select Chrome Alloy Steel, hardened and tempered in oil avoiding wear and breakage in the gear teeth. Chrome plated with heads brightly polished.

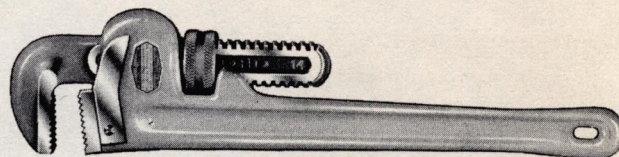
Individually boxed. Available in the five popular sizes as listed in the table below.



Edge view showing extreme thinness and tapered jaws.

ADJUSTABLE WRENCH TABLE

Wrench Number	Capacity Inches	Head Thickness		O.A. Length
		Jaw Tip	Back of Jaw	
21-4	1/2	1/8	5/16	4
21-6	3/4	3/16	3/8	6
21-8	15/16	15/64	15/32	8
21-10	1 1/8	9/32	9/16	10
21-12	1 5/16	11/32	11/16	12
21-15	1 3/4	19/32	31/32	15



PW-6 to PW-48

Super-Strength Pipe Wrenches

Drop Forged Alloy Steel Jaws

The Superior design of the Herbrand Pipe Wrench makes it far more efficient and easy to handle than the conventional Stillson pattern. The non-breakable, open housing with free-riding adjustment nut is quickly appreciated by mechanics. The hook-jaw is drop forged from a high quality Alloy Tool Steel, and will grip and hold perfectly under the stiffest pull and will not lock on the pipe.

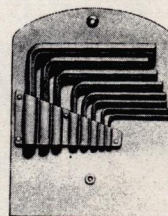
Herbrand Pipe Wrenches are heat treated throughout and are finished in baked red enamel with bright polished edges.

Straight Number	Jaw Capacity	Length	Straight Number	Jaw Capacity	Length
PW-6	3/4	6	PW-18	2 1/2	18
PW-8	1	8	PW-24	3	24
PW-10	1 1/2	10	PW-36	4 1/2	36
PW-12	2	12	PW-48	6	48
PW-14	2	14			

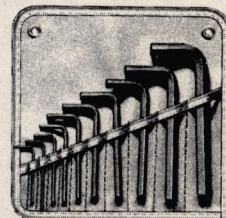
Allen Hex Keys

No.	Hex Size	Dimensions	No.	Hex Size	Dimensions
AW-2	1/16	1 3/4 x 1 1/16	AW-7	7/32	3 1/8 x 1 1/4
AW-2 1/2	3/64	1 7/8 x 1 1/16	AW-8	1/4	3 3/8 x 1 1/4
AW-3	3/32	2 x 3/4	AW-10	5/16	3 7/8 x 1 1/4
AW-4	1/8	2 1/4 x 7/8	AW-12	3/8	4 3/8 x 1 3/4
AW-5	5/32	2 3/4 x 1	AW-14	7/16	4 3/8 x 2
AW-6	3/16	2 3/4 x 1 1/8	*AW-18L	9/16	9 x 1 1/4

* Fits differential filler plugs on 1957 Chrysler.



Set No. AW80R



Set No. AW100R

Alloy steel, precision manufactured by the maker of Allen Set Screws. Hand finished individually for perfect fit. Turns Allen head screws faster, easier and better.

NO. AW-80R, Set of Allen Set Screw Wrenches in a genuine leather pouch. Contains 1 each of the following 8 sizes: Allen Hex Keys: 3/64, 1/16, 3/32, 1/8, 5/32, 3/16, 1/4, 5/16. Dealer Net, each.....

NO. AW-100R (Illustrated above) contains 1 each of the first 10 sizes listed above in Vinyl roll. NET PRICE.....

For ALLEN HEX BIT SOCKETS, see page 5.



"VAN-CHROME" MULTITYPE WRENCHES
B.S.F. and Whitworth Openings
Combination Box and Open End
Drop Forged from Chrome Vanadium Steel

The advantages of these dual purpose wrenches instinctively appeal to every mechanic, because the handy and practical combination of different type openings equip him for most emergencies. If one style opening is not adapted to the particular job simply flip the wrench over and use the other end.
The box end, with its 12-point opening, is angled at 15° to give the proper clearance for obstructions and knuckles. The open end is angled at 21½° for efficiency. Each end has the same size openings. Handles are panelled for a firm grip and ease of handling.
The seven popular sizes in which these wrenches are made cover at least 90 per cent of general service work. Drop forged from special analysis Chrome Vanadium Steel, accurately machined and heat treated all over for super-strength. Chrome plated with heads polished to a high lustre.

Whitworth Standard

Wrench No.	(B.S.W.) British Standard Whitworth Bolt Size	Actual Opening		Fractional Size of Nut Across Flats (Approx.)	Size of Nuts Across Flats (Max.)	Length	Net Price Each
		Min.	Max.				
1214W	3/16	.449	.454	29/64	.445	5 1/2	....
1216W	1/4	.529	.534	17/32	.525	6	....
1220W	5/16	.605	.611	19/32	.600	7	....
1222W	3/8	.715	.721	45/64	.710	7 1/2	....
1226W	7/16	.826	.833	15/16	.820	8 3/4	....
1230W	1/2	.927	.935	89/64	.920	12 3/4	....

SET NO. BSW 1227 contains 1 each of the first five sizes listed above.
Price in fibre box ; in leatherette roll

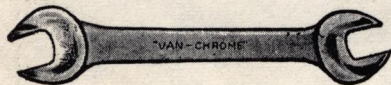


"Van-Chrome" British Size Tappet Wrenches
Double End—15° Angle.

Number	B.S.W.	B.S.F.	Dealer Net
H-1-W	1/8 x 5/16	— x 3/4	
H-2-W	5/16 x 3/4	3/4 x 7/8	
H-3-W	3/8 x 7/8	7/8 x 1 1/8	

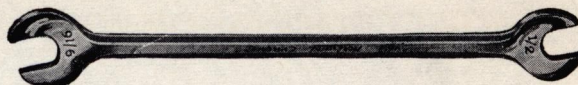
SET NO. BST-70 contains 2 each of Nos. H-1-W and H-2-W.
NET PRICE, each in cardboard box.....
in leatherette roll.....

SET NO. BST-70
SET NO. BST-40 contains 2 each of Nos. H-1-W and H-3-W.
NET PRICE, in fibre box..... in leatherette roll.....



Whitworth and B.S.F. Open End Wrenches

Wrench No.	B.S.W. or Whitworth Bolt Size	Nominal Opening	B.S.F. Bolt Size	Dealer Net Each
1021W	1/4 x 1/2	345 x 454	— x 3/4	
BW-1021	3/8 x —	454 x 333	3/4 x 2 B.A.	
1023W	3/8 x 1/2	454 x 534	1/2 x 3/4	
1025W	3/8 x 5/8	534 x 611	5/8 x 3/4	
1027W	3/8 x 3/4	611 x 721	3/4 x 7/8	
1029W	3/8 x 7/8	721 x 833	7/8 x 1 1/2	
1031W	1/2 x 1 1/2	833 x 935	1 1/2 x 5/8	
1033W	1/2 x 1 1/2	935 x 1.024	5/8 x 3/4	



New "Van-Chrome" Master Tappet Wrenches
(15° Angle Heads)

Bar Design for Rigid Strength
9 1/2" Long

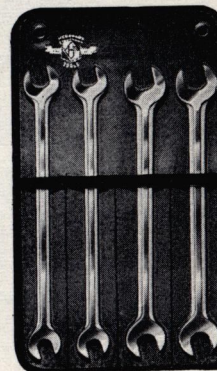
Drop Forged from Chrome Vanadium Steel

These new ultra-modern tappet wrenches are revolutionary in design, and have been painstakingly engineered to help mechanics do a superior type of work in less time and with the least effort.

The masterful design and efficiency of the new Master Tappet Wrenches is the result of long study and research in co-operation with mechanics in actual shop practice. The 9 1/2" length of all these wrenches is recommended by engineers as the proper length for general all-around tappet work. Thin and narrow pear-shaped heads of carefully-gauged thickness are scientifically balanced with the tappet nuts for speedy action. Openings are precision-machined to the correct depth to firmly grip the tappet nuts and permit the maximum turning radius without interference from the motor block.

The bar design of the panelled handles has been so scientifically blended into the heads that the extra strength and rigidity so much desired by mechanics is actually imparted to the wrench without clumsiness or unnecessary weight.

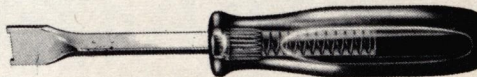
Perfectly balanced, they handle with ease the most delicate adjustments, yet have enduring strength, because they are drop forged from select chrome vanadium steel and heat treated to exacting standards.



SET No. T-40

Wrench Number	Size Openings	Thickness Heads	O.A. Length
T-21	7/16 & 1/2	5/32	9 1/2
T-22	1/2 & 9/16	11/64	9 1/2
T-23	5/8 & 11/16	3/16	9 1/2
T-24	3/4 & 7/8	13/64	9 1/2

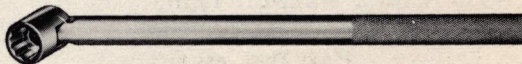
SET No. T-40, two each of Nos. T-22 and T-23.
PRICE, in box in pocket leatherette roll



T-100 TAPPET ADJUSTER

Specially designed for Overhead Valves

Spring loaded blade moves up and down inside handle. Motor may be kept running during adjustment yet mechanic's hand holds steady. Notched tip keeps blade from slipping out of adjustment screw.
Length 7".
NET PRICE.....



No. T-200 FORD TAPPET ADJUSTING TOOL

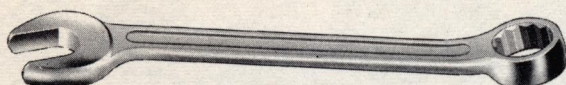
Designed exclusively to adjust the tappets on all Ford products, the No. T-200 Tool is made of special alloy steels to resist wear from adjusting the hardened, self-locking tappet adjusting screws. The unique, hinged-action design lets the 1/2" socket ride the moving tappet, further lessening the wear.

Now, your box wrenches can't be ruined on tappet jobs — your regular tools last longer!
No accessories need be removed when using the T-200 Tool — the 8 1/2" length has been carefully established for maximum convenience and ease of use, while the bright finish and knurled handle are shop-tested for long-lived usefulness.

No. T-200 Net Price

HERBRAND METRIC WRENCHES & SOCKETS

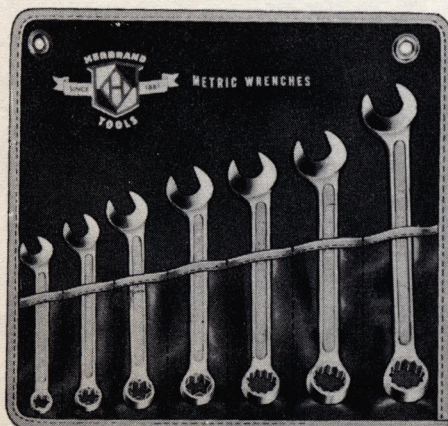
METRIC COMBINATION WRENCHES— $\frac{3}{8}$ " AND $\frac{1}{2}$ " METRIC SOCKETS



NEW COMBINATION BOX & OPEN END METRIC WRENCHES—6 & 12 Point

These new Metric size combination wrenches cover the most popular range of sizes necessary for servicing foreign cars. NEW THIN STYLE HEADS — PERFECT BALANCE. Open end $22\frac{1}{2}^\circ$, Box end 15° —made of finest forged alloy steel-chrome plated with fully polished heads.

Wrench Number	Size Openings	Head Diameter				Type Opening
		Box End	Open End	O. A. Length		
1209M	9MM	$\frac{19}{32}$	$\frac{57}{64}$	$4\frac{1}{2}$		6 Pt.
1210M	10MM	$\frac{21}{32}$	$\frac{29}{32}$	5		6 Pt.
1211M	11MM	$\frac{21}{32}$	$\frac{29}{32}$	5		6 Pt.
1212M	12MM	$\frac{25}{32}$	$1\frac{1}{16}$	$5\frac{1}{2}$		6 Pt.
1214M	14MM	$\frac{27}{32}$	$1\frac{3}{16}$	6		12 Pt.
1217M	17MM	$1\frac{1}{32}$	$1\frac{3}{8}$	7		12 Pt.
1219M	19MM	$1\frac{1}{8}$	$1\frac{15}{32}$	$8\frac{3}{4}$		12 Pt.
1221M	21MM	$1\frac{9}{16}$	$1\frac{11}{16}$	$8\frac{3}{4}$		12 Pt.
1222M	22MM	$1\frac{9}{32}$	$1\frac{27}{32}$	$10\frac{1}{2}$		12 Pt.



7-PIECE COMBINATION SET NO. 1290-MR METRIC WRENCHES

This handy set in vinyl tool roll solves the problem of servicing foreign make cars. It includes the 7 most popular size metric wrenches from Herbrand's new line of combination wrenches.

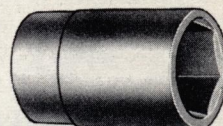
Set 1290-MR includes:

1209M (9mm)	6-Pt.	1214M (14mm)	12-Pt.
1210M (10mm)	6-Pt.	1217M (17mm)	12-Pt.
1211M (11mm)	6-Pt.	1219M (19mm)	12-Pt.
1212M (12mm)	6-Pt.		

Made from highest quality alloy steel—chrome plated with heads fully polished.

1290-MB (Above set of 7 wrenches in fiber box only)

METRIC SOCKETS—REGULAR LENGTH



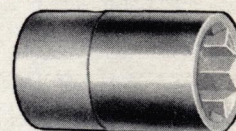
JM-609
to
JM-619

$\frac{3}{8}$ " DRIVE SOCKETS

JM-SERIES—6 POINT—REGULAR LENGTH

Number	Opening	O. A. L.	O. D. Socket End	Weight Lbs. 10 Pieces
JM-609	9MM	$1\frac{1}{16}$	$1\frac{7}{32}$	$\frac{9}{16}$
JM-610	10MM	$1\frac{1}{16}$	$\frac{39}{64}$	$\frac{5}{8}$
JM-611	11MM	$1\frac{1}{16}$	$\frac{39}{64}$	$\frac{5}{8}$
JM-612	12MM	$1\frac{1}{16}$	$1\frac{1}{16}$	$\frac{5}{8}$
JM-613	13MM	$1\frac{1}{16}$	$1\frac{1}{16}$	
JM-614	14MM	$1\frac{1}{16}$	$\frac{25}{32}$	$\frac{3}{4}$
JM-615	15MM	$1\frac{1}{16}$	$\frac{25}{32}$	
JM-616	16MM	$1\frac{1}{16}$	$1\frac{1}{16}$	
JM-617	17MM	$1\frac{1}{16}$	$1\frac{15}{16}$	1
JM-618	18MM	$1\frac{1}{16}$	$1\frac{15}{16}$	
JM-619	19MM	$1\frac{1}{16}$	1	$1\frac{1}{8}$

*JA-57M Set of 7 Metric Sockets (JM-609 to JM-619) in Fiber Box.
JA-511M Set of 11 Metric Sockets (JM-609 to JM-619) illustrated on page 7.



SM-111
to
SM-132

$\frac{1}{2}$ " DRIVE SOCKETS

SM-SERIES—12 POINT—REGULAR LENGTH

Number	Opening	O. A. L.	O. D. Socket End	Weight Lbs. 10 Pieces
SM-111	11MM	$1\frac{3}{8}$	$\frac{21}{32}$	1
SM-112	12MM	$1\frac{3}{8}$	$\frac{23}{32}$	$1\frac{1}{16}$
SM-113	13MM	$1\frac{3}{8}$	$\frac{23}{32}$	$1\frac{1}{16}$
SM-114	14MM	$1\frac{7}{16}$	$\frac{23}{32}$	$1\frac{1}{8}$
SM-115	15MM	$1\frac{7}{16}$	$\frac{23}{32}$	$1\frac{1}{8}$
SM-116	16MM	$1\frac{7}{16}$	$\frac{7}{8}$	$1\frac{1}{4}$
SM-117	17MM	$1\frac{1}{2}$	$1\frac{15}{16}$	$1\frac{1}{2}$
SM-118	18MM	$1\frac{7}{16}$	$1\frac{1}{16}$	$1\frac{15}{16}$
SM-119	19MM	$1\frac{7}{16}$	$1\frac{1}{16}$	$1\frac{7}{8}$
SM-120	20MM	$1\frac{15}{16}$	$1\frac{1}{8}$	$2\frac{1}{8}$
SM-121	21MM	$1\frac{15}{16}$	$1\frac{1}{8}$	$2\frac{1}{8}$
SM-122	22MM	$1\frac{5}{8}$	$1\frac{3}{16}$	$2\frac{3}{16}$
SM-123	23MM	$1\frac{21}{32}$	$1\frac{1}{4}$	$2\frac{7}{16}$
SM-124	24MM	$1\frac{21}{32}$	$1\frac{1}{4}$	$2\frac{7}{16}$
SM-125	25MM	$1\frac{23}{32}$	$1\frac{3}{8}$	3
SM-126	26MM	$1\frac{23}{32}$	$1\frac{3}{8}$	$2\frac{3}{4}$
SM-127	27MM	$1\frac{13}{16}$	$1\frac{1}{2}$	$3\frac{13}{16}$
SM-128	28MM	$1\frac{13}{16}$	$1\frac{1}{2}$	$3\frac{5}{8}$
SM-129	29MM	$1\frac{13}{16}$	$1\frac{9}{16}$	$3\frac{3}{4}$
SM-130	30MM	$1\frac{7}{8}$	$1\frac{11}{16}$	$5\frac{3}{16}$
SM-132	32MM	$1\frac{7}{8}$	$1\frac{11}{16}$	$4\frac{5}{8}$

NO. SM-133 $\frac{1}{2}$ " SQUARE DRIVE SET (22 pieces)

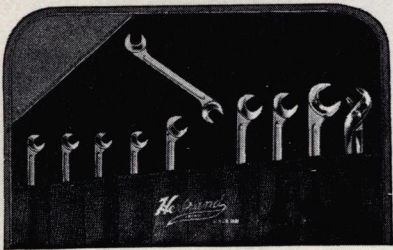
Set No. SM-133 contains the full line of Herbrand hot forged alloy steel thin wall $\frac{1}{2}$ " drive metric sockets to cover all jobs of foreign cars requiring millimeter size sockets. Includes 21 sockets and box No. B-801.

"VAN-CHROME" ELECTRICAL AND IGNITION WRENCHES



15° and 60° Angle Heads
Drop Forged from Chrome Vanadium Steel

Feather lightness with amazing strength marks these wrenches as the handiest for tricky carburetor and ignition jobs. Different openings on each end, yet each size is duplicated on a separate wrench at a different angle. Designed for greater efficiency on magnetos, coils, ignition, distributors, ammeters, and all small nuts on radio and electrical appliances. Satin chrome with mirror bright heads. These wrenches are Drop Forgings—not stampings.



SET No. 99R

Wrench Number	Size Openings		Thickness Heads	O.A. Length	Dealer Net Price Each
	15° Angle	60° Angle			
*80					
81	1 3/4	1 3/4	7/16	3	
82	1 3/8	1 3/8	7/16	3	
83	7/16	1/4	7/16	3	
84	1/4	7/32	7/16	3	
85	5/16	5/16	1/8	3 1/2	
86	3/16	7/32	1/8	3 1/2	
87	1 1/2	3/8	5/16	4	
88	3/8	1 1/2	5/16	4	
89	7/16	1/2	1 1/4	4 1/2	

* Delco-Remy Distributor Wrench. 1/4" openings at 7° and 82°, 3 1/4" long, head .098" thick; weight per 10—1 1/4 lb. (Seats firmly on head of terminal screw regardless of head position inside distributor housing.)

SET NO. 96R contains nine wrenches, Nos. 81, 82, 83, 84, 85, 86, 87, 88, 89; No. 167 plier and No. 310 screw driver.

NET PRICE, in Vinyl roll

SET NO. 97R contains one each Nos. 81, 82, 83, 84, 85, 86, 87.

NET PRICE, in Vinyl roll

SET NO. 99R contains the nine wrenches above and No. 167 Plier.

NET PRICE, in Vinyl roll

"VAN-CHROME" No. 98R ELECTRICAL AND IGNITION SET



SET NO. 98R

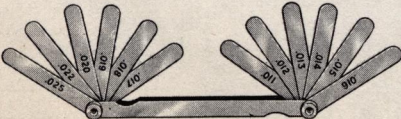
screw driver No. 310—the popular tools for electrical systems, appliances, radios and all small work.

NET PRICE, in Vinyl roll

SPECIAL DELCO-REMY SET NO. 94R

Contains 1 each of No. 86 and No. 87 Ignition Wrenches, a special feeler gauge No. G-13 and a No. 80 special angle Wrench with 1/4" openings for service on new Delco-Remy distributors, points, condensers, coils, etc.

NET PRICE, in Vinyl roll



CONTACT POINT GAUGE NO. G-13-A

No. G-13 contains twelve special blades: .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .022, .025 in special locking holder.

NO. G-13-A. NET PRICE, each

FOR ADDITIONAL FEELER GAUGES — See Page 64

NO. 2110 "SNAP GAP" POINT SETTING TOOL



Place ring over cam.

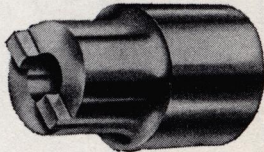


Use gauge and adapter to set.

Sets Distributor Points in 1/3 The Time accurately and uniformly

You can be forever through with rotating engines and removing distributors to set points — with the new Herbrand "Snap Gap". It covers practically all American cars and gives accurate, fast, uniform settings. The time-saving "Snap Gap" has micro-precision rings that slip over the cam, putting the points at their widest gap, regardless of cam position! Special feeler gauges and adapters automatically set the correct final gap. Dual breaker points can be set almost as fast as singles, too!

The #2110 Snap Gap Point Setting Tool is easy to use. The complete tool includes five precision made cam rings, and special feeler gauge packed in a durable case with specifications and instructions.

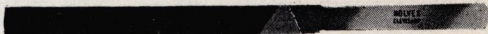


CHEVROLET DISTRIBUTOR POINT SOCKET

In order to change points on Chevrolets, a special tool such as the Herbrand M-71 Socket must be used. Removing the primary wire and the large nut on the distributor terminal discloses a special slotted screw beneath the surface of the distributor housing. Slipping the Herbrand M-71 Socket over the threaded terminal engages the special screw for easy removal of points from above.

The M-71 is forged from special alloy steel, handsomely chrome plated and has 1/4" drive. This tool is a must for any mechanic working on Chevrolet Ignition.

NO. M-71. NET PRICE, each



IGNITION POINT FILES NO. F-5

For Platinum and Tungsten Contact Points

The fine double-cut teeth of these tempered Chrome Tungsten Steel Files produce a perfect contact because they are clean, fast-cutting and get down between the points. A mechanic's precision tool of highest quality that will outwear numerous cheaper files. Smooth handles shaped for finger-tip control Length of File 5".

NET PRICE, each

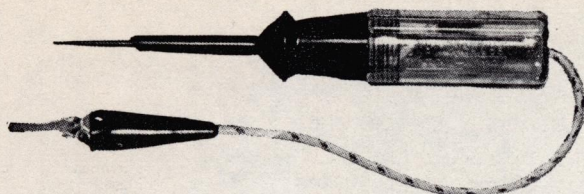


VOLTAGE REGULATOR FILE NO. VR-1

All modern automobiles are equipped with voltage regulators, the points of which must be occasionally cleaned and trued up by filing. This work cannot be done with a contact point file and the procedure of using sand paper or emery cloth is extremely bad practice.

The VR1 Voltage Regulator File has been specially built to do this work. It has extremely hard fast-cutting teeth which will file these voltage regulator points leaving them clean and true. It is just the right thickness to get between the points, something a contact point file will not do. Made from a very special alloy steel to give it long life and the ability to do this very special work which cannot be done with ordinary files.

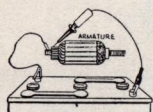
NO. VR1. NET PRICE, each



ELECTRIC TROUBLE SHOOTER

The only tool of its kind

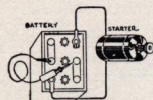
FOR TESTING



If tester lights, the armature is grounded. Armatures should not be grounded.



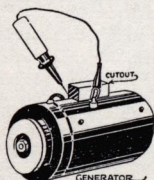
Two-filament bulb being tested. Tester lights when filament is O.K.



Make this test with starter cranking engine. If tester goes out cell is dead.

Shorts in Wiring	Brakes in Wiring
Radio circuits	Antenna
Wire connectors	Fuses
Bulbs	Grounds in armature
Battery cells	Field coils
Lamp circuits	Ignition timing
Etc., etc.	

Complete instructions come with each tool.



If tester lights, the cut out is defective and will run down battery.

No. 12 Tester operates on both 6 and 12 volts. Length 6½".

NET PRICE.....



NO. 14

COMBINATION ELECTRIC TROUBLE SHOOTER and SPARK PLUG TESTER

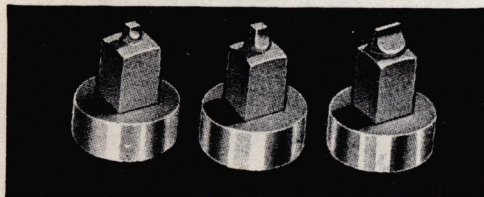
With built in Neon tube operates on both 6 and 12 volts.

DEALER NET PRICE.....

POLE PIECE SCREW DRIVERS

Three Sizes Necessary for Generator and Starter Work

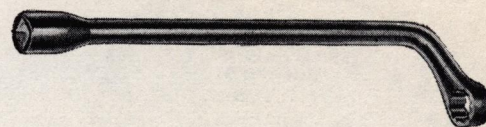
Chrome Vanadium Steel



The pole pieces in generators and starters must be driven in very tightly to eliminate the air gap between the housing and the pole piece. The screws are tightened to the limit to insure satisfactory performance, and it is impossible to remove them with an ordinary screw driver. Herbrand Pole Piece Screw Drivers remove the tightest screws with ease and without twisting out the slot or socket. A vise supplies the power and holds the bit in position. It is unnecessary to ease the pressure, because the pole piece moves inwardly off the screw. A new idea Revolving Screw Driver that is an absolute necessity in every shop doing generator and starter repairs. Any mechanic who has attempted to remove pole screws knows how tough this job is. Operation: place generator or starter in large vise, insert screw bit or socket in slot, apply vise pressure to hold bit in place, turn square shank of bit with wrench.

Available in three sizes and two types—the square socket bits for Fords, the screw driver type for other cars. Satin chrome finish. No. 370, screw driver bit. Nos. 371, ½" square; 372, ¾" square.

NET PRICE, each.....



DISTRIBUTOR BOLT WRENCHES

No mechanic can afford to be without these Distributor Bolt Wrenches for easy servicing of distributors on popular cars.

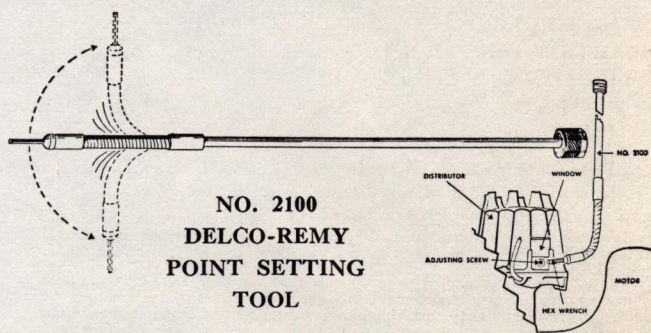
Designed for maximum swing . . . loosens distributor lock bolt with minimum turning distance. May be used with any ½" drive attachment—ratchet, sliding T handle, etc. Small head provides maximum clearance. Compact design requires less tool box space. Drop forged triple alloy steel, accurately broached, and finished in glistening nickel chrome plate.

NO. 2376 For all V-8 Chevrolets and Buicks

NO. 2375 Fits all 1955 and 1954 Fords, Lincolns and Mercurys

NO. 2377 Fits all 1955-1956 Chrysler Built V-8's

Plymouth—Dodge—De Soto—Chrysler and Imperial



NO. 2100 DELCO-REMY POINT SETTING TOOL

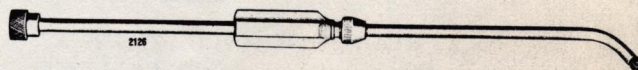
A specially designed tool for the setting of points on the new Delco-Remy distributor.

Long 20" length reaches distributors on all engines using Delco-Remy distributors.

Flexible portion of shaft permits setting hex head wrench of any angle for close quarter work.

Mechanic can adjust points and watch Herbrand Dwell Meter for perfect engine "tune-up."

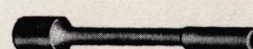
Prevents hand burns and shock from engine.



No. 2125 CARBURETOR AND DISTRIBUTOR ADJUSTING TOOL



2127



2128



2129

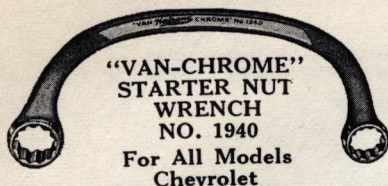
No. 2125—Complete Set — 4 tools (¼" drive) for carburetor and distributor adjustments (2126, 2127, 2128 and 2129). Packed 1 set to a box.

No. 2126—Handle only — has strong inner cable, sliding hand grip which may be set anywhere on the handle—turning knob permits hairline adjustment when watching "tune-up" meter. Length 16 inches. ¼" drive only. Packed 6 to a box. Wt. per 10—4 lbs.

No. 2127—Carburetor Socket Bit only — ¼" drive allows setting of the carburetor without taking the air filter off—1" long, ⅜" dia. Packed 6 to a box, wt. per 10—⅜ lb.

No. 2128—Holly Carburetor Socket Bit — ¼" Drive Special for the Holly carburetor — Extra length clears obstruction — makes setting idle speed easier. Length 3⅜", wt. per 10—⅜ lb.

No. 2129—Distributor Socket Bit ⅜" Hex — ¼" Drive for setting all distributors of the Delco-Remy type — Excellent for "tune-up" work when used with testing meter for cam angle reading. Length 1¾".



**"VAN-CHROME"
STARTER NUT
WRENCH
NO. 1940
For All Models
Chevrolet**

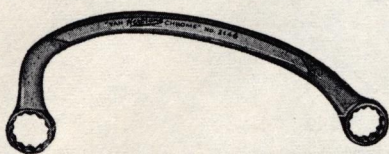
Drop Forged from Chrome Vanadium Steel

Combining the two popular 12-point openings, $\frac{5}{8}$ " and $\frac{3}{4}$ ", this new special bend wrench clears all obstructions for immediate contact with the nuts on the starter motor housing on all Chevrolet models. The $\frac{5}{8}$ " opening takes care of the nuts on all cars up to 1937, and the $\frac{3}{4}$ " end handles later models. The unusual contour, extra deep bends and popular combination of openings adapt the wrench to many applications where space is confined and nuts are badly obstructed.

NO. 1940, opening $\frac{5}{8}$ " and $\frac{3}{4}$ ". Length 7 $\frac{3}{4}$ ".

NET PRICE, each.....

**"VAN-CHROME"
STARTER AND
MANIFOLD
WRENCH
NO. 2146**



For Late Model Chrysler-built and Other Cars

Drop Forged from Chrome Vanadium Steel

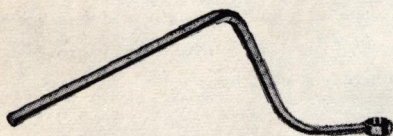
The combination $\frac{1}{4}$ " and $\frac{3}{8}$ ", 12-point openings, with the special bends and this side walls for perfect clearance, are particularly designed to service exhaust manifold and starter nuts on late model Chrysler-built cars, where ordinary wrenches are useless.

The $\frac{1}{4}$ " opening is angled to fit the exhaust manifold nuts and has been made extra thin for easy engagement and ample clearance.

The $\frac{3}{8}$ " opening fits the starting motor nuts, and the unusual bend clears the steering column control rods and other obstructions that interfere with ordinary wrenches.

NO. 2146, openings $\frac{1}{4}$ " and $\frac{3}{8}$ ". Length 7".

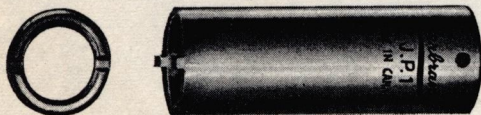
NET PRICE, each.....



CHEVROLET STARTER WRENCH NO. 1950

It's a tough job to remove or install the starter on Chevrolets. Without removing any accessories from around the engine, you can easily loosen or tighten the upper starter hanger bolt with this field-tested Herbrand Starter Wrench. Gripping head is accurately tapered for easy fit on bolt with proper clearance between bolt and starter solenoid. Handle is uniquely shaped with a triple offset to afford maximum clearance and maximum leverage.

NO. 1950. NET PRICE each.....



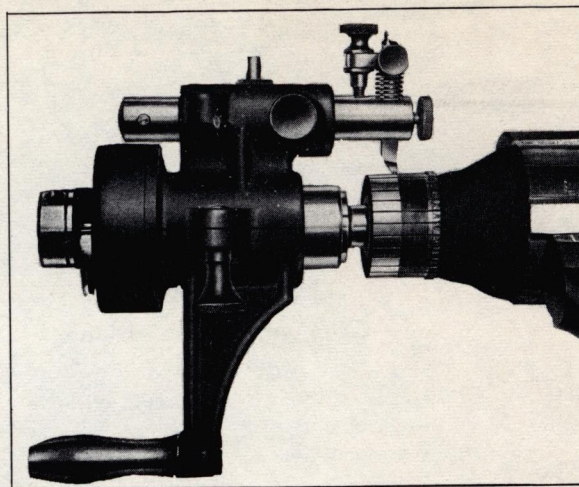
PRONG SOCKET NO. JP-1

For Windshield Wipers on G.M.C. Cars and Trucks

$\frac{3}{8}$ " Square Drive

Fits the windshield wiper spacer nut and escutcheon retaining nuts on all 1954 and 1955 Chevrolet, Pontiac, Buick, Oldsmobile and other G.M.C. cars and most G.M.C. trucks.

The JP-1 is specially designed so it will work on the older models as well as the 1955's. It is indispensable when servicing windshield wipers and a "must" for mechanics servicing new cars or installing windshield washers.



MODEL "A" RITE TOOL

PATENTED DUAL-PURPOSE UNIT

For Truing and Undercutting Commutators

A precision unit in every detail—makes short work of armature reconditioning—promotes customer satisfaction—increases profits.

Every mechanic knows that these two operations are really part of the same job. Now at last comes this patented, fully guaranteed Tool to serve both purposes with the greatest accuracy.

Here is a machine that can be used profitably by shops of every size. It is unexcelled for quick, accurate performance of the two related operations of truing and undercutting commutators.

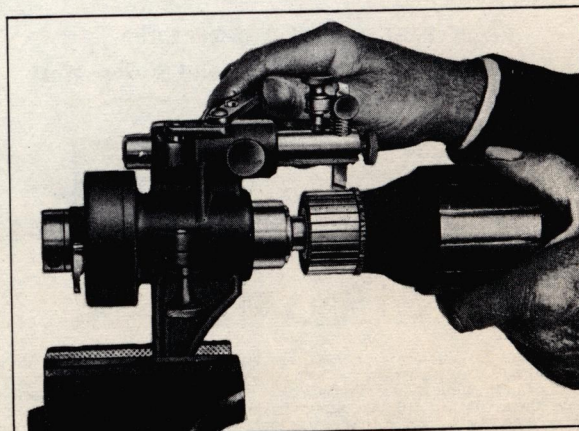
Once the RITE TOOL is on your bench, you are ready for another forward step . . . into the money-making business of Starting, Lighting, and Ignition Service.

RITE TOOL is the proud product of practical machinists who saw the need and perfected a tool for it. Only the best workmanship and materials go into this unit. It will give long, profitable service and is fully guaranteed.

NET PRICE, each complete in fitted metal box with 3 collets to fit all regular sizes of armature shaft.....

EXTRA COLLETS are available in the following sizes: .500, .519, .531, .590, .656, .609, .675, .750, .787. Also .669 special for Ford generator, and .393 for late Ford, Lincoln and Mercury.

EXTRA TOOL BITS.....



The illustration at the top of the page shows the tool in position for truing commutators, with the first cut half-through. The illustration at the bottom shows how it is used for undercutting, complete instructions for operating accompanies each tool.



No. CA-36 1/2 Deluxe Set

Herbrand Carburetor Repair Sets

Herbrand's new Carburetor Repair Sets bring within the reach of all mechanics the basic tools for disassembly, assembly and adjustment of all popular carburetors. Special tools are included for individual makes such as Carter, Stromberg, Chandler-Groves and Rochester carburetors. New tools will be added as needed in the future.

All tools are of genuine Herbrand Van-Chrome quality—engineer designed, tough alloy steels, gleaming chromium plating, and fully guaranteed.

SET NO. CA-36 1/2 Deluxe—This master set contains every one of the tools listed on the next page except the M-21, also 4 midget spanners (Nos. 84, 85, 87 and 89) listed on page 28, 4 midget box wrenches (Nos. 71, 72, 73 and 74) listed on page 22, No. A389 1/4" to 3/8" socket adapter, No. M-5 1/4" drive ratchet, No. M-13 1/4" drive flex handle, No. 1729 5/8" x 3/4" open end wrench, No. 352 offset screwdriver and No. G-26 gauge illustrated below. With the CA-36 1/2 set any good mechanic can become a carburetor repair expert. This complete set is packed in a handsome, sturdy metal box.

Net Price.....

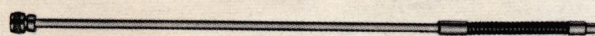
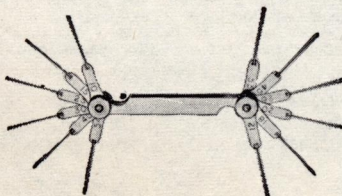
SET, NO. CA-24 1/2 Basic—This basic set contains all of the specialized carburetor service tools illustrated and described. Packed in the same box as No. CA-36 1/2.

Net Price

No. G-26 CARBURETOR WIRE GAUGE

Used to check the throttle for anti-percolator and fast idle adjustment. This gauge consists of twelve wire blades in the following sizes, one each: .010, .012, .015, .018, .020, .023, .026, .030, .040, .045, .053, and .054.

Dealer Net Price.....





























Carburetor Adjusting Tool No. C-550

Makes easy work of adjusting the carburetor—Adjusts the idle mixtures without reaching and stooping—Specially designed head provides for self-location on carburetor adjusting screw—Actually make a blind adjustment—the flexible shaft allows a 90° bend—Reaches otherwise inaccessible places—Ideal for use with Herbrand Tachometer HT-410—Give the customer the most accurate "tune up" possible.

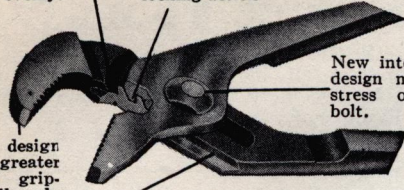
SPECIAL CARBURETOR SERVICE TOOLS

These special HERBRAND tools are designed to bring within the reach of all mechanics the important basic tools necessary for assembly, disassembly and adjustment of all popular carburetors.

VAN CHROME TOOLS	<i>Herbrand</i>	CARBURETOR REPAIR TOOLS
 No. C-528 Jet socket—Stromberg oval 3/16" wide x 1/4" long Dealer Net Price....		 No. M-20 Screw driver grip and 6" Extension for sockets Dealer Net Price....
 No. C-529 Jet socket—Stromberg oval 1/2" wide x 1/2" long Dealer Net Price....		 No. M-21 Sliding T handle for sockets Dealer Net Price....
 C-530 Special Prong socket—prong .056 wide—1/16" deep socket dia. 3/8" for Metering jets. Dealer Net Price....		 No. M-53 Screw Driver Bit 3/16" blade Dealer Net Price....
 C-531 Special Prong socket—prong .042 wide 1/16" deep dia. socket 1/8" for Metering jets. Dealer Net Price....		 No. M-54 Screw Driver Bit 1/4" blade Dealer Net Price....
 No. C-536 Float level gauge— Rochester Carburetor Chevrolet Dealer Net Price....		 No. M-55 Screw Driver Bit 3/16" blade Dealer Net Price....
 No. C-538 Float level gauge— Ford—Stromberg and Chandler-Groves Dealer Net Price....		 No. M-510 3/16" 6-point deep socket 1/4" drive Dealer Net Price....
 No. C-539 Float level gauge— Plymouth Dealer Net Price....		 No. M-512 3/8" 6-point deep socket 1/4" drive Dealer Net Price....
 No. C-540 Ball Retaining Ring Insert Dealer Net Price....		 No. M-513 13/32" 6-point deep socket 1/4" drive Dealer Net Price....
 No. C-542 Ball Retaining Ring In- sert—late models Dealer Net Price....		 No. M-514 3/16" 6-point deep socket 1/4" drive Dealer Net Price....
 No. C-545 Main Vent tube tool Dealer Net Price....		 No. M-515 13/32" 6-pt. deep socket 1/4" drive. Check valve— Stromberg carburetor. Dealer Net Price....
 No. C-546 Bending and adjust- ing tool—float levers etc. Dealer Net Price....		 No. M-516 1/2" 6-point deep socket 1/4" drive Dealer Net Price....
 No. C-547 Ball Retaining Ring removing tool Dealer Net Price....		 No. M-518 3/16" 6-point deep socket 1/4" drive Dealer Net Price....
 No. C-548 Economizer Valve Wrench Dealer Net Price....		 No. MA55 1/2 Metal Box 9 3/8" x 5 1/2" x 1 1/2" Inside Dimen- sions Dealer Net Price....

Precision machined interlocking surfaces provide perfect fit, thus distributing pressure evenly.

Interlocking principle positively prevents slipping under any load. The heavier the job, greater the interlocking action



New interlocking design minimizes stress on joint bolt.

New nose design provides greater utility for gripping small objects.

Patented design of tension edge provides more strength and eliminates stress concentration at channels.

MULTI-PURPOSE PUMP PLIER NO. 420

The wide range of adjustments of the No. 420 Pump Plier make it adaptable to a multitude of uses. New strength has been added by the patented design of the tension edge. Interlocking channels and lugs prevent slipping. Wide base lugs provide maximum cross section strength.



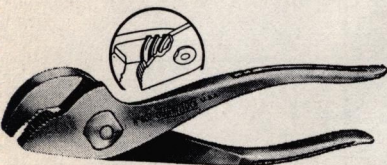
Note the Channellock

The design of this plier makes it particularly serviceable in adjusting packing-glad nuts on practically all cars, trucks and smaller industrial engines. Light and thin, but of amazing strength because of the Channellock feature. No danger of the bolt breaking, all strain being removed from the bolt because of the unique Channellock design. Five adjustments.

NO. 420, length 9 1/4" capacity 1 3/4".

NET PRICE, each.....

GENERAL PURPOSE PLIER NO. 407



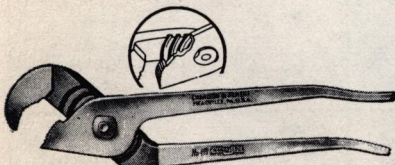
Self-gripping

A new and revolutionary plier with the Channellock design, the jaws take positive grip of corroded and mutilated nuts. This plier is self-gripping. Pressure need be applied only to the one handle—the more pressure, the tighter the pliers grip. Because of the Channellock feature, removing all strain from the bolt, the plier is practically indestructible. This plier, because of the two adjustments provided, is very useful for a great many purposes, such as removing small grease plugs, Alemite and small copper pipe connections, and is also adaptable to brake rod connections, etc.

NO. 407, length 7" maximum capacity 1/8" to 1/2".

NET PRICE, each.....

HEAVY DUTY CHANNELLOCK PLIER NO. 410



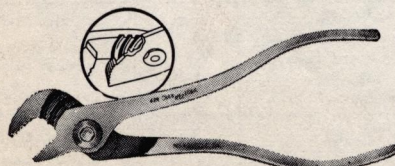
Self-gripping

The tongue and groove Channellock joint of these new and revolutionary pliers provides a vise-like grip entirely independent of the gripping power of the user's hand. In fact, the most stubborn nut or pipe may be turned merely by applying pressure to one handle of the tool. The unusually large bearing surface of the Channellock joint provides quick and positive adjustment, and

does away with any possibility of shearing the joint bolt even under the extreme power provided by these pliers. Made of highest grade Alloy Steel, toughened by triple heat treatment, these pliers will stand any strain that the user himself will put on them. They will give a positive grip on anything that can be inserted between the jaws, offering a multitude of uses.

NO. 410, length 9 1/2". Capacity 3/8" to 1 1/2".

NET PRICE, each.....



NO. 424 IGNITION PLIER

Length 4 1/2" Capacity 1/2" Four adjustments.

This No. 424 ignition plier incorporates the Channellock adjustment feature in order to eliminate wear on the joint bolt and lengthen the life of the tool. A midgrip plier. Polished steel finish.

NET PRICE, each.....

No. 415
No. 430
No. 440
No. 441



GRIP-MASTER

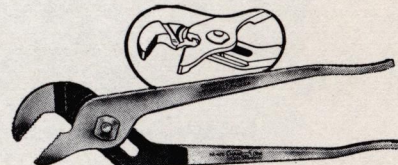
No. 415 — Length 10". Capacity 3/8" to 2". Five adjustments. Undercut channels. Reinforced tension edge. Polished steel finish.

Smooth jaws for plated fittings. Open to full 2" to grip sink-trap nuts. Easy to use in hard-to-get-at places.

No. 430 Same as No. 415 But with Milled Teeth.

No. 441 Smooth jaw, length 12". 7 adjustments. Capacity of jaw 2 1/4".

No. 440 Same as 441 but with Milled Teeth in jaws.



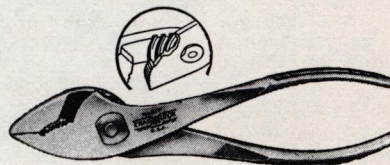
No. 426

POCKET SIZE CHANNELLOCK

This versatile plier is a "junior size" version of the famous 420 pump plier... the same patented channels, reinforced rib, five jaw adjustments etc., plus handy, fit the pocket convenience. Length 6 1/2". Capacity 3/8".

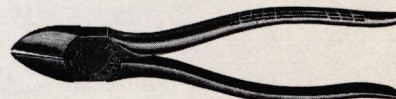
GENERAL UTILITY PLIER

No. 417



Length 7". Capacity 3/8". Three adjustments. Knurled grips. Polished steel finish. Packed 1/2 dozen per carton. A heavy-duty plier with far greater gripping power than the ordinary slip-joint plier.

No. 437



DIAGONAL CUTTING PLIERS—BOX JOINT

At last! A real pair of Diagonals. Unequalled for sheer cutting ability. The perfectly aligned cutting blades are hand honed and induction hardened to retain their leverage with a minimum of hand pressure, and equipped with an easy-riding joint. The handles are full fashioned and deeply knurled in a special pattern to provide a comfortable, non-skid grip. The gracefully tapered nose is designed for maximum clearance in confined working quarters.

Many special features are incorporated in the design of this Diagonal.

NO. 435 Length 5". NET PRICE, each.....
NO. 436 Length 6". NET PRICE, each.....
NO. 437 Length 7 1/2". NET PRICE, each.....

No. 447



CURVED DIAGONAL CUTTING PLIER—LAP JOINT

Length 7". Same high quality as in those listed above. Polished steel finish.

No. 337



HEAVY DUTY DIAGONAL CUTTING PLIER—LAP JOINT

Length 7". Polished steel finish. Knurled grips.

NET PRICE, each.....
NET PRICE, each.....

No. 317½

No. 326



LONG-NOSE PLIER with Side-Cutter

No. 317½ Length 7½". Polished steel finish. Knurled grips. Point ⅜" Rd.

No. 326 Length 6". Polished steel finish. Knurled grips. Point ⅜" Rd.

NET PRICE, each.....

No. 3017½

No. 3026



LONG-NOSE PLIER— without Side-Cutter

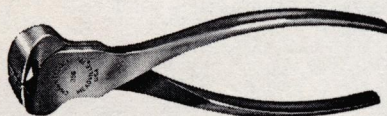
No. 3017½ Length 7½". Polish steel finish. Knurled grips. Point ⅜" Rd.

No. 3026 Length 6". Polished steel finish. Knurled grips. Point ⅜" Rd.

NET PRICE, each.....

No. 356

No. 357



END CUTTER

Polished Steel Finish. Knurled Grips.

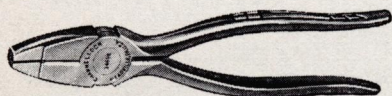
No. 356 Size 6".

No. 357 Size 7".

No. 346

No. 347

No. 348½



LINEMEN'S PLIER—Rounded Nose

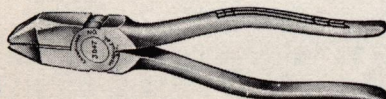
Polished steel finish. Knurled grips. Side-cutter.

No.	Size
346	6"
347	7"
348½	8½"

No. 3046

No. 3047

No. 3048½



LINEMEN'S PLIER—Bevel Nose

Polished steel finish. Knurled grips. Side-cutter.

No.	Size
3046	6"
3047	7"
3048½	8½"

No. 307



BATTERY PLIER—Lap Joint

Length 7". Capacity ¼" to ⅝". Blued finish.

No. 568



ANGLE-NOSE PLIER—Slip-Joint

Length 8". Polished steel finish. Knurled grips.

No. 537



Slip-Joint Plier with Side-Cutter

Drop Forged from Special Alloy Steel—Double Heat Treated and Tempered

Here is the answer to the mechanics' demand for a general-purpose plier in which workmanship, material and design have been combined in a most unusual manner to give it the highest possible efficiency over a wide range. The handles, which are deeply knurled and curved outward at the ends to prevent slipping, have been expertly proportioned to provide powerful leverage. The finely tapered jaws will reach into confined spaces and their accurately milled (not stamped) teeth will take a positive biting grip on anything they engage.

The side cutters have hand-honed, perfectly aligned cutting jaws which will retain their clean, sharp cutting edges indefinitely, and a double slip joint provides for a wide range of capacity.

The No. 537 is an exceedingly high-grade plier and an indispensable part of every mechanic's kit.

NET PRICE, length 8", each.....

No. 516



Slip-Joint Plier—Thin Nose

Sturdily built, yet with a medium-thin nose, this powerful little plier has precision, machined jaws that will hold a hair.

For all work where small parts have to be contended with this No. 516 is indispensable.

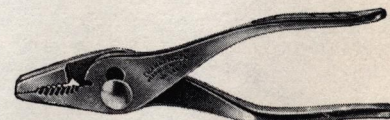
The handles are knurled and shaped to fit the hand for easy gripping.

No. 516, length 6". NET PRICE, each.....

No. 546

No. 548

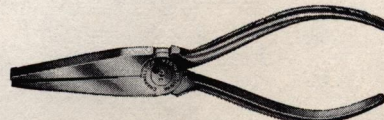
No. 5410



SLIP-JOINT PLIER—Heavy Duty with Cutter

No.	Size
546	6"
548	8"
5410	10"

No. 366



FLAT NOSE PLIER—

With Side-Cutter

No. 366 Length 6". Polished steel finish. Knurled grips.

Van-Chrome Mechanics' Pliers

31-6
31-7

32-7

33-5
33-7

34-6
34-8
34-10

35-7

36-6
37-6

36-6B

38-8

39-8

43-8

31-6 Diagonal Cutting Pliers. Length 6"; weight per 10—3¼ lbs.

31-7 Diagonal Cutting Pliers. Length 7"; weight per 10—4¼ lbs. (The diagonals preferred by professional mechanics. Selected alloy steel. Specially heat treated, diamond hard cutters, hand honed for accuracy. Thin narrow heads. Blued finish, heads machine polished.)

32-7 Heavy Duty Diagonal Pliers. Length 7"; weight per 10—4¾ lbs. (The heavy duty diagonal has the head specially "short-coupled" for extra leverage.)

33-5 Cutting and Gripping Pliers. Length 5½"; weight per 10—2¾ lbs.

33-7 Cutting and Gripping Pliers. Length 7"; weight per 10—5 lbs. (All around "general use" pliers. Powerful gripping jaws with hand honed, induction-hardened side cutters. Forged from finest alloy steel. Blued finish with heads machine polished.)

34-6 Heavy Duty Combination Pliers. Length 6"; weight per 10—4¾ lbs.

34-8 Heavy Duty Combination Pliers. Length 8"; weight per 10—6¼ lbs.

34-10 Heavy Duty Combination Pliers. Length 10"; weight per 10—9 lbs. ("General-use" pliers designed to handle the toughest jobs. Slip joint construction with notch type wire cutters. Forged alloy steel, blued finish with heads machine polished.)

35-7 Angle Nose Gripping Pliers. Length 7"; weight per 10—3¼ lbs. (Thin heads at 45° angle with teeth deep milled, for maximum grip. Three position slip joint construction. Blued finish heads machine polished.)

36-6 Long Needle Nose. (Same construction as 37-6 but without side cutters.)

36-6B Curved Needle Nose. Length 6"; weight per 10—2¼ lbs. (Same quality as 36-6 except nose is bent at approximately 79° angle for use on cotter pins or to get around obstructions.)

37-6 Long Needle Nose Pliers with Side Cutter. Length 6"; weight per 10—2¾ lbs. (Finest spring-tempered alloy steel. Side cutters hand honed for accurate match. Long thin nose for easy entry in confined spaces. Blued finish with faces machine polished.)

38-8 Long Reach Chain-Nose Pliers. Length 7½"; weight per 10—3¾ lbs. (Short thin pointed jaws for entry in small spaces; long handles for unusual gripping power. Spring tempered alloy steel. Blued finish, faces machine polished.)

39-8 Long Reach Duck Bill Pliers. Length 7½"; weight per 10—3 lbs. (Powerful gripping short jaws with long bow handles. Popular on ignition, radio and similar work where thin broad nose is required. Blued finish, faces machine polished.)

43-8 Vise Grip Pliers. Length overall 8"; jaws open to 1¾". Weight per 10—9¼ lbs. (Feature of plier is 8" length and medium weight preferred by mechanics. Plier has 101 uses around shop. Heavy duty spring and strong non-slip action provides tremendous gripping power. Finger tip release.)

Original Multigrip Pliers

Drop Forged from Chrome Vanadium Steel



NO. 167

NO. 160

MULTIGRIP MIDGETS

Little giants of capacity and utility for ignition, radio and general electrical work. No. 167 has finger-tip control handles. No. 167½ full grip handles. Range 0" to ¼". Length 4½". Weight 2 ozs.

NO. 167, hand polished chrome.

NET PRICE, each.....

NO. 160 Has thin head finger grip handles—opens to ¾". Length 5".

NET PRICE, each

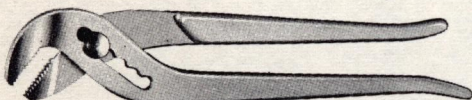


MULTIGRIP JUNIOR NO. 168

A versatile tool for general service—replaces the conventional type plier. It fits the popular sizes of S.A.E. nuts, and the handy 7½" length and small head are very convenient for reaching into close quarters. Range 0" to ¾". Length 7½". Weight 4½ ozs.

NO. 168

NET PRICE, each.....



MULTIGRIP PLIERS NO. 166½

Originated by Herbrand to fit water pump pack nuts on all cars. These pliers serve such an extremely wide variety of uses that they are recognized as the most important tool in the mechanic's kit.

NO. 166½ is designed with 7 different positions of adjustment, providing jaw capacity from 0" to 2". Length 9¾". Weight 12 ozs.

Chrome plated, bright heads.

NET PRICE, each.....



COMBINATION PLIER No. 151-S

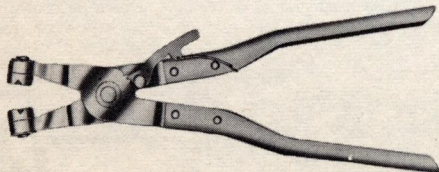
With Slip Joint

Drop Forged from Carbon Steel and Heat Treated

The accurately milled sharp teeth of this general utility plier take a biting hold, and the short rounded nose is ideal for close gripping. The slip feature gives it a wide variety of uses. Individually hardened.

NO. 151S, satin nickel finish. Length 6".

NET PRICE, each.....



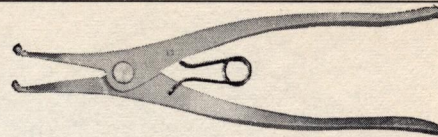
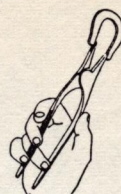
WIRE HOSE CLAMP PLIER No. 175

Featuring the new "Position Lock" to keep the wire clamp spread open.

Improved design of the Herbrand 175 Wire Hose Clamp Plier includes a finger tip "POSITION LOCK" which enables the user to keep the wire clamp spread open, and frees BOTH HIS HANDS! This feature is exceptionally important when attempting to replace the LOWER radiator hose on all cars! Lever will lock the plier in 3 positions to fit all size clamps.

Grooved jaw ends swivel to fit any size wire hose clamp and also enable the user to open any clamp regardless of how badly they are out of line.

Pliers are 7¾" long — locking key has finger-tip release — lightweight and perfectly balanced — made of Hi-Grade steel.



HORSE SHOE LOCK-RING PLIER 186

For Removing Horse Shoe Lock-Rings

Drop Forged from Chrome Molybdenum Steel

Developed to spread the snap lock-rings used so widely today on brakes, transmissions, differentials, pedal shafts, clutch shafts, fan pulley shafts and especially adaptable for spreading brake keys when removing them from the assembly.

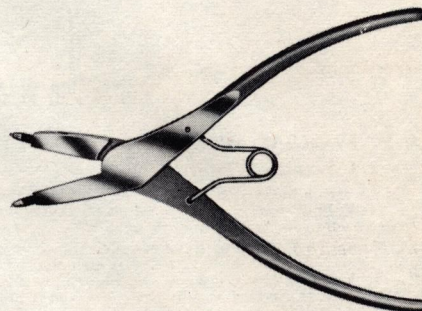
Toothed on the outside of the jaws to prevent slipping. Will spread any lock washer up to 1¼". Handles are knurled, with a spring between them which keeps the jaws in closed position to facilitate handling.

Satin nickel, polished heads. Length 8¼". NET PRICE, each.....



PARALLEL JAW LOCK RING PLIER No. 185

Open to 1½"; tips have indented ends which aid in gripping ring and prevents the ring from slipping. Parallel action provides smooth leverage and simplifies the removal of the strong lock ring . . . extra strong spring for long life of plier.



SNAP RING PLIERS

A must for the mechanic who works on automatic transmission and power steering.

These new improved pliers accommodate a complete selection of replaceable tips including straight tips, angle tips for hard to reach spots and "C" ring tips for holeless snap rings. All tips are made from high quality tool steel for durability. Excepting the "C" ring tips, all are REVERSIBLE for DOUBLE LIFE. All are REPLACEABLE when worn out. Special locking screws assure firm positioning of pointes.

The tools themselves are drop forged for rugged long-life and have knurled grips that prevent slipping even when hands are greasy.

INTERNAL NO. AT-60. Length 7". NET PRICE

EXTERNAL NO. AT-61. Length 7". NET PRICE

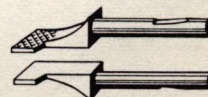
Each plier comes complete with 3 sets of replacement tips, .045 and .060 straight tips, 45° angle .045 tips and allen wrench.

REPLACEMENT TIPS FOR ABOVE PLIERS



ANGLE TIPS

For hard to reach spots. Also reversible.



"C" RING TIPS

For holeless snap rings.



STRAIGHT TIPS

Double ended and reversible.

NO. AT-62-4S .045 Straight Per Pair

NO. AT-62-6S .065 Straight Per Pair

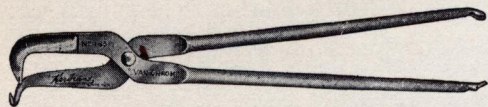
NO. AT-62-A .045 Angle Per Pair

NO. AT-60-C "C" Ring Per Pair



BRAKE SPRING TOOL

261 New tool for brake spring removal and replacement—length 11 $\frac{1}{4}$ ".



"VAN-CHROME" BRAKE SPRING PLIER NO. 183

13" Long for Heavy Duty Service

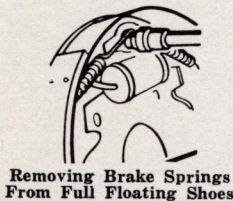
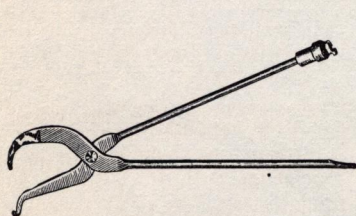
Drop Forged from Chrome Vanadium Steel

Here is large size Brake Spring Plier with a generous capacity of jaw opening for the quick and easy removal and replacement of brake shoe springs on practically all cars equipped with internal brakes.

The sharp point of the goose-neck curve of the upper jaw anchors on the brake lining in a positive way, while the cork screw hook of the lower jaw pulls the spring into position readily. The end of one handle has a forged notch which slips the upright springs into position on the stud. Chrome plated polished heads.

Length 13". Weight 11 ozs.

NET PRICE, each.....



**Removing Brake Springs
From Full Floating Shoes**

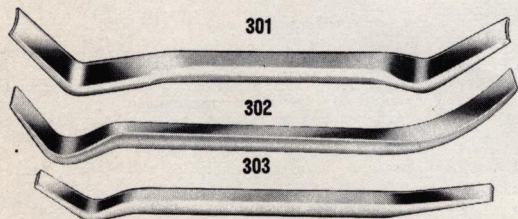
THE 183A UNIVERSAL BRAKE SPRING PLIER

Literally 2 Tools In 1

This plier is a big time saver on every brake job. It is a brake spring plier for all cars, because a specially built tool for taking springs off center pins on full floating brake shoes has been incorporated into one handle.

The plier itself is of improved design with increased clearance on the goose-neck curve of the upper jaw. When the sharp point is anchored on the brake lining the corkscrew hook of the lower jaw pulls spring readily into position. The end of the other handle is grooved to slip the eye of the spring over the stud on brake shoes so constructed.

183A Length 14" DEALER NET.....



STAR NUT BRAKE TOOLS

(IMPROVED DESIGN)

Drop Forged from Chrome Alloy Steel

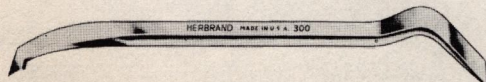
Clears obstructions such as shock absorbers and frame fittings easily. Thinner and wide contact points and that sensitive touch so necessary for locating and adjusting the cog screw on Bendix Brakes. Chrome plated with polished points. Length 8". Weight 4 $\frac{1}{4}$ ozs.

NO. 301 for Bendix Brakes on most passenger cars and trucks, later than 1959 models.

NO. 302 has been especially designed for the new low slung '58 models with front and rear suspension. 9 $\frac{3}{4}$ " long tool has special $\frac{11}{16}$ " width for positive centering on adjusting star nut and extra long curved end to reach in close quarters.

NO. 303 special for Chevrolet and other cars having a narrow brake slot.

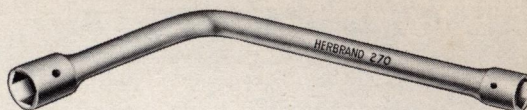
NET PRICE, each.....



UNIVERSAL BENDIX BRAKE ADJUSTER NO. 300

Specifically engineered to adjust all Bendix type brakes, including the new 1960 Buicks, Chevrolets, and Corvairs.

The STANDARD end is used for all ordinary Bendix Brake adjustments. The MODIFIED end is required when adjusting brakes on the Corvair, Chevrolet, and Buick.

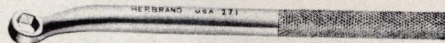


MASTER BRAKE BLEEDER WRENCH NO. 270

COVERS CONVENTIONAL CARS, COMPACTS AND TRUCKS

Actually two tools in one, with a $\frac{1}{4}$ " hex socket opening to cover compact car bleeder valves, plus a $\frac{3}{8}$ " hex for conventional cars and trucks.

It has special vent holes in each socket end, which permit bleeding the line without removal of the wrench from the bleeder valve. The No. 270 will take real punishment, too.



BRAKE BLEEDER WRENCH NO. 271

Designed to eliminate clearance problems in bleeding front brakes on the Rambler, this new tool slips into place easily in the tight space between the bleeder valve nut and steering knuckle. Because of its $\frac{1}{4}$ " hex opening, the 271 Brake Bleeder Wrench can also be used on Valiant, Corvair, Lark, Comet, Falcon and Lancer. One tool to service over 90% of the compacts! The tool comes in a bright finish with knurled handle.

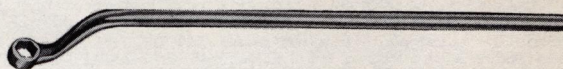


BRAKE BLEEDER WRENCH No. 250

For Chrysler and Other Cars

Another time saver! The No. 250 Brake Bleeder wrench is especially designed with deep offset to reach the recess brake bleeder screw on all recent model Chrysler products. Openings of $\frac{3}{8}$ " and $\frac{1}{2}$ " make tool ideal for many other brakes as well. Six-point opening holds tight on worn or rounded screw head where 12-point wrench might slip.

NO. 250 Length 8 $\frac{1}{2}$ ". NET PRICE, each.....



**CHRYSLER CENTER PLANE BRAKE ADJUSTING
WRENCH NO. 255**

This newly-developed wrench speeds the adjustment of 1957 Chrysler brakes. It is designed with extra length of offset to provide clearance around new, oversize tires. The No. 255, has a $\frac{7}{16}$ " six-point opening and is 12" long. It is another in the endless series of time saving special tools designed by Herbrand.



CENTER PLANE BRAKE TOOL NO. 260

Designed to remove and replace the brake shoe spring in the new Center Plane Brake used on Plymouth, Dodge, De Soto and Chrysler cars. To remove spring, use socket end to catch spring — twist and the spring is free. To replace, use tapered end of tool and slip spring into retaining slot. Cannot damage brake shoe lining. Made of special alloy steel.



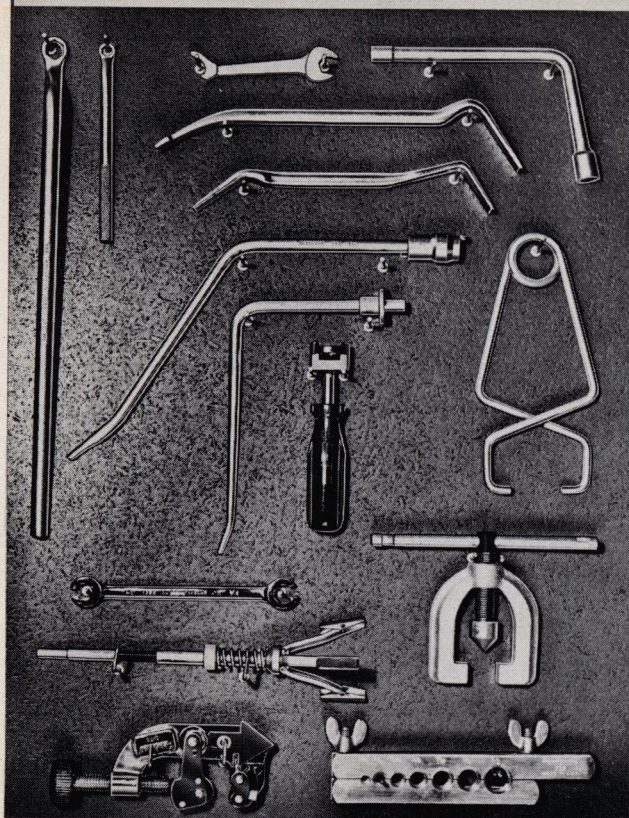
NO. 265 BRAKE SHOE RETAINING SPRING TOOL

No. 265 is engineered to remove and install coil type brake retainer springs with the added feature of being able to also remove and install leaf or "hairpin" type brake shoe retaining springs used on some Chevrolets.

The 265 Brake Shoe Retaining Spring Tool is built with an observation window to let the mechanic see when the spring retainer is fully seated — no guessing, no lost time.

An absolute must for service stations who want to do more fast, easy, profitable brake jobs.

COMPLETE BRAKE SERVICE

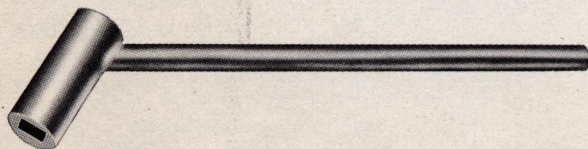


BRS-14 BRAKE SERVICE TOOL BOARD

This all new brake tool set comes complete with handy heavy duty board which tells car owners complete brake service is available. Board furnished with metal hanger for wall or easel set-up. This brake Tool Board Set contains all of the tools necessary to adjust and repair all American made passenger car and light truck brakes. All tools in this set have been accepted and approved by Brake technicians and specialists and each tool has been developed for one specific purpose to speed up profitable brake repair and adjustment. Board size 16" x 24".

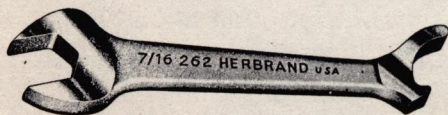
Set contains:

- 255 Chrysler Center Plane Brake Adjusting Wrench
 - 260 Chrysler Center Plane Brake Adjusting Tool
 - 261 Bendix type Brake Spring Tool
 - 262 Chrysler Products Emergency Brake Adjusting tool
 - 265 Brake Shoe Retaining Spring Tool
 - 270 Brake Bleeder Wrench — 1/4" x 3/8" hex
 - 271 Rambler and Compact Brake Bleed Wrench
 - 275S Set of 4 Hydraulic Brake Wheel Cylinder Clamps
 - 300 Universal Bendix type Brake Shoe Adjusting Tool
 - 301 Bendix Brake Shoe Adjusting Tool (for models earlier than 1959)
 - 750 Brake Tubing Flaring Tool for 3/8" to 5/8" tubing
 - 761 Brake Tubing Cutter for 1/2" to 1" Tubing
 - 1323 Flare Nut Wrench 3/8" x 3/4" Hex Openings
 - CH-63 Hydraulic Brake Wheel and Master Cylinder Reconditioning Hone.
- Shipping weight, board and tools complete 15 lbs.



No. 254 VAUXHALL BRAKE TOOL

Fits front and rear micram adjuster on all Vauxhall and English built Ford products. Forged from chrome steel, heat treated satin chrome finish.

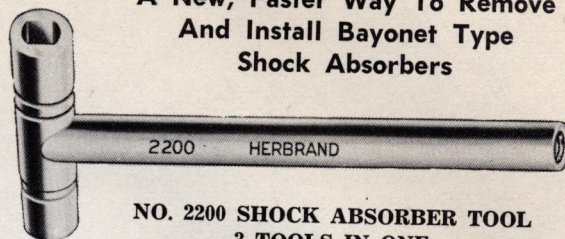


CHRYSLER EMERGENCY BRAKE ADJUSTING WRENCH

The new No. 262 is the only wrench needed to adjust the internal emergency brake on any Chrysler-make car with Torque-Flight or Power-Flight transmission. The 3/4" open end loosens the cap screw on the protective shield of the brake housing. The spanner end is used to make the actual adjustment on the serrated brake shoe nut.

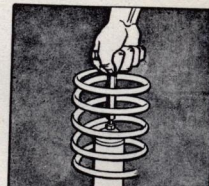
No. 262. NET PRICE

A New, Faster Way To Remove And Install Bayonet Type Shock Absorbers



NO. 2200 SHOCK ABSORBER TOOL 3 TOOLS IN ONE

The answer to quick installation and removal of shocks on all General Motors, Ford and Chrysler make cars. This unusual tool licks the problems of narrow clearances . . . eliminates skinned knuckles . . . helps beat job rates. It's a reliable tool.



Screw tool on shock — pull through coil spring.



T-end sockets hold shock rigid while tightening or loosening retaining nut. Openings are oblong to fit the bayonet.



FORD SHOCK ABSORBER LINK SEPARATOR No. 2356V

For Late V-8 and Other Models

Drop Forged from Chrome Molybdenum Steel

This powerful wedging tool is essential to take care of the shock absorbers including those incorporating recent engineering changes.

To operate—Remove the nut from the tapered bolt that holds the shock absorber link. Place the wedge shaped fork between the link and shock absorber arm and a few sharp blows with a hammer forces the tapered bolt out of the arm.

Chrome plated finish, polished ends. Length 15". Weight 1 1/2 lbs.

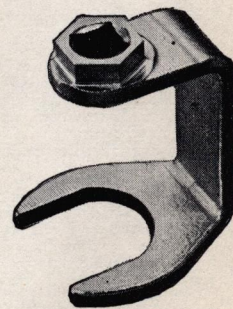
PRICE, each.....

CASTER AND CAMBER WRENCHES

For eccentric adjustment nuts.

No. S-76C fits Chrysler products except the New Yorker model. 1/2" drive, 1 1/2" opening.

No. S-80C fits 1953-1954 Pontiac and 1953-1954 Cadillac. Opening 1 3/8", 1/2" square drive.

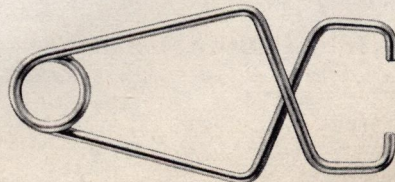


CHRYSLER BALL JOINT SOCKETS

No. 2429 fits Plymouth and Dodge 1957 through 1960.

No. 2430 fits all Chrysler and De Soto from 1957 through 1960.

Both tools have been designed to fit both the upper and lower ball joint.



275 Brake Cylinder Clamp Set. Consists of 4 spring wire clamps 6 3/4" long, x 2 7/8" wide. Easy to apply with no chance of leaving the clamp on brake cylinder when assembling. The brake cylinder clamps eliminate the possibilities of the brake cylinder pistons from being forced out of the brake cylinder when the brake shoes and return springs are removed.



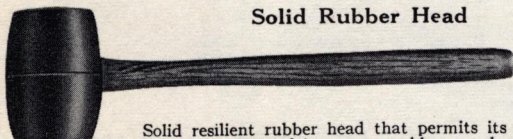
NO. 1130 TIRE HAMMER

Drop Forged from Chrome Alloy Steel

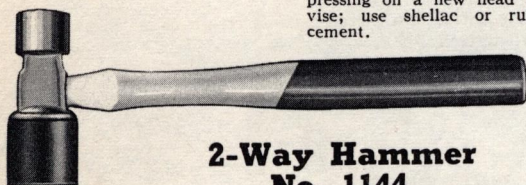
Especially designed for removing tires that cling stubbornly to the rims. Extremely tough but not brittle, eliminating the danger of chipping or flying pieces. All corners are rounded or bevelled so that they cannot damage tire or rim. The head is firmly anchored to the handle. Satin nickel. High quality hickory handle. Length 14". Weight 3½ lbs.
NET PRICE, each.....

NO. 1133B RUBBER TIRE MALLET

Solid Rubber Head



Solid resilient rubber head that permits its practical use where a metal hammer would cause damage. It is intended for tire changes, but is also popular for automotive body work, fender straightening and for use on materials that are subject to bruising and marring.
Length 15". Weight 2 lbs.
NET PRICE, each.....



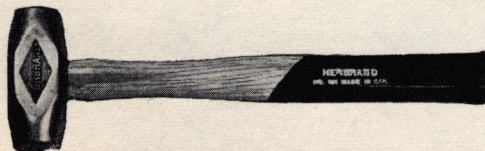
2-Way Hammer No. 1144

Perfectly Balanced—Even Weight Distribution

For Body, Fender, Tire Work and General Usage

Rebound is eliminated in this Dual-Use Hammer which has a small, tough rubber head on one end and a drop forged steel head on the other. The weight of the heads is equally distributed, and it is so perfectly balanced that it has none of the bulk and clumsiness associated with mallets. The 2" face rubber head is equal to the weight of a 2¼-pound mallet. The 14" handle gives tremendous hitting force. Machine, body and fender shops will find the 2-Way Hammer indispensable. It is very efficient for seaming sheet metal, drawing rivets, mounting tires, driving on rims without injury. 14" handle of first quality, second growth hickory. Weight 2¼ lbs.

NO. 1144, Hammer. NET PRICE, each.....
NO. 1144H, Replaceable Head. NET PRICE, each.....



No. 126 Bronze Hammer

A soft bronze hammer for driving easily damaged parts. Head polished and lacquered. White hickory handle.

Weight 1 lb. 10 oz.

DEALER NET PRICE.....



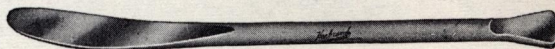
SPOON TYPE TIRE IRONS

Straight Pattern

Drop Forged from Tool Steel

Herbrand's Master Tire Irons were designed by tire experts for tire service men. The broad, thin, paddle-shaped blade takes hold of a larger area, lifting the tire from the rim in a few easy strokes with a minimum of effort and time. The blunt handle end is designed to drive dual tires and rings on or off. These irons are extra strong for gruelling work. Finished in satin nickel plate. Weight 2 lbs.

NO. 1126, 18" long.
NET PRICE, each.....
NO. 1126T, truck size, 23" long.
NET PRICE, each.....



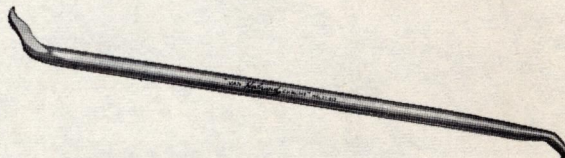
SPOON TYPE TIRE IRONS

Curved Pattern

Drop Forged from Tool Steel

Master Tire Irons No. 1127 and No. 1126 are usually sold in pairs. The curved blade in combination with the straight one makes an unbeatable pair. They are perfectly balanced for ease of handling, and the broad blades avoid bruises and damage to the tire. Efficient on drop center rims. Satin nickel plate finish. Weight 2 lbs.

NO. 1127, 18" long.
NET PRICE, each.....
NO. 1127T, truck size, 23" long.
NET PRICE, each.....

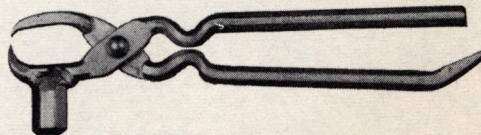


"VAN-CHROME" SIDE RING TOOL NO. 1140 For All Rims including late Firestone, G.M.C., etc.

Drop Forged from Chrome Molybdenum Steel

The latest Double End Tool for the easy removal of the continuous side rings. Does the work formerly done by three or four other type tools. The hook ends are shaped to positively engage the rings and wedge them from their seats with minimum effort. The heel of the tool creates a fulcrum that develops a powerful leverage under the pressure of the long bar. One end has a bit ½" wide to fit small wheels plus most specials while the other bit is ¾" wide to fit the larger rims. This two-in-one Ring Remover covers the broadest possible range of rim and ring work.

Length 22". Weight 2 lbs. 11 ozs. Triple plated.
NET PRICE, each.....

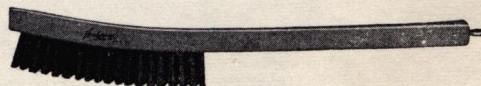


NO. WB-70 WEIGHTMASTER PLIERS

Designed to quickly remove and install all wheel balancing weights from inside of wheel assemblies when balanced on the car.

Hammer head balanced . . . Will not pinch hands . . . Curved section of handle end quickly removes hub caps.
Overall length 10¼ inches.

No. WB-70. NET PRICE.....



TIRE AND RIM BRUSH NO. 1132

Curved Wood Handle

For Cleaning Rims and Casings

A good quality brush made of stiff, round steel wire. The 14" handle is curved to reach easily into the casings for cleaning. Handy for removing rust and dirt from rims and other metal parts. The brush part is 6" long.
Length 14". Weight 14 ozs. NET PRICE, each.....

Adjustable Tire Spreader No. 1128

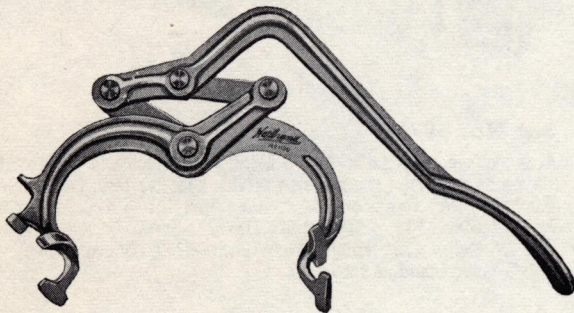


Revolving Spindles

A very practical and necessary tool for tire shops, service stations and all garages. The spindle rollers rotate freely and slip easily into the opening of the casing, spreading it with a simple pull of the long leverage handle, which is set at a 96° angle for maximum clearance. The end of the bar is curved to clear the opposite side of the casing. The adjustable feature is designed so that the end roller may be set to spread tires from 5½" to 7¾". Chrome plated finish. Length 18½".

NET PRICE, each.....

Dual Self-Adjusting Tire Spreader No. 1129



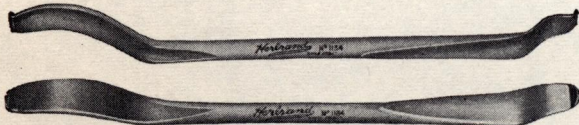
Compound Action—Eight-to-one Leverage Power For Car or Truck Tires

Whenever tires must be serviced, the dual-use tire spreader will be found invaluable. Compact, perfectly balanced, very light in weight, yet having abundant strength for spreading both truck and passenger car tires with negligible effort.

The cantilever action of the handle and compounded eight-to-one leverage provides tremendous power that spreads any tire up to 8½" opening. The connecting joint is eccentric and automatically locks the spreader in open position, leaving the operator's hands free for accurate and safe inspection. Positive gripping jaws at the working end of the tool hold with equal security on all passenger car and small truck tires. On the left arm of the spreader two jaws are provided: the lower for passenger car work; the upper specially designed for truck tires.

The unusual yet very practical features of this unique tool will be greatly appreciated by tire service mechanics. Slip the jaws into the casing, press down the handle, and the tool locks with the casing wide open for unobstructed examination.

NO. 1129, length, open position, 15½"; opening capacity, 8½".
NET PRICE, each.....



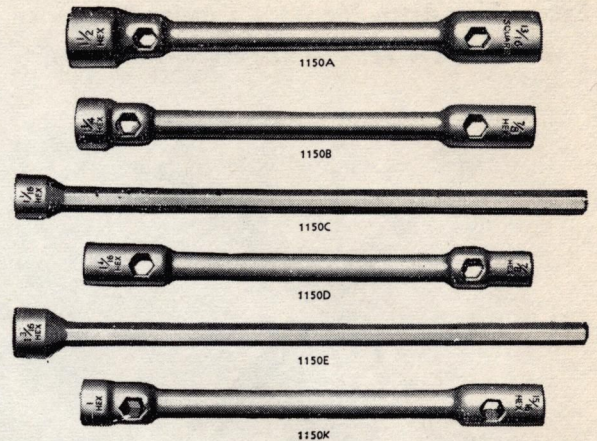
No. 1134 Tubeless Twin Irons

Especially adapted for tubeless tires, no damage to sealing ribs. Equally good as "no pinch" irons for tube type tires. Use a pair for easiest changing of any tire.

One end of these dual-use irons is for removing casings—the other end for replacing them—and each end is plainly marked "on" or "off" to facilitate application.

Acclaimed as the fastest and safest ever built. Once used by the mechanic, he will never be without them.

NO. 1134, length 18". NET PRICE, each



Universal Truck Rim Wrenches & Sets

Eight Opening Sizes—Forged Solid—No Welds—Satin Nickel

These wrenches never fail because the proper combination of openings are grouped in the individual bars.

Forged solid with extra deep sockets. Heat treated throughout to withstand gruelling punishment. The 20" hex handle slides through the opening in each wrench, acting as a T handle and creating a powerful leverage that starts the most stubborn nuts easily.

Satin nickel finish. Weight of set complete, 12½ lbs.
NO. 1150A, 15¾" long, has openings 1½" hex, 1½" hex and 1½" square.
NET PRICE, each.....

NO. 1150B, 15¾" long; has openings 1½" hex, ¾" hex and 5/8" square.
NET PRICE, each.....

NO. 1150C, 20" long, leverage bar; has 1½" hex opening.
NET PRICE, each.....

SET NO. 1150T, one each of above, 3 pieces in all.
NET PRICE, complete.....

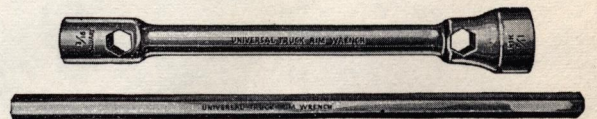
NO. 1150D, 15¾" long; has openings ¾" hex and 1½" hex. An ideal combination for rim work on International trucks. Forged from Chrome Alloy Steel, because extra thin heads are necessary for clearance.
NET PRICE, each.....

NO. 1150E, 20" long, leverage bar; has a 1½" hex opening. Necessary to service motor wheel rims, Reo, Federal, G.M.C., etc.
NET PRICE, each.....

SET NO. 1152T, complete with one each of wrenches 1150A, 1150B, 1150D and leverage bar 1150E. Weight 16 lbs.
NET PRICE, complete.....

NO. 1150K, 15¾" long with 1½" hex. opening to fit late Chevrolet truck rim nuts and 1" hex opening for later Internationals.....

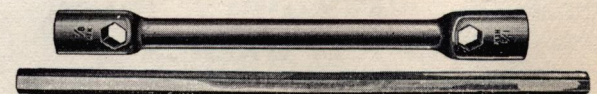
NO. 1152H, 20" leverage bar.
NET PRICE, each.....



FORD TRUCK RIM WRENCH SET NO. 1152F

Contains No. 1150A. Equipped with the three necessary socket opening sizes, 1½" hex, 1½" hex and 13/16" square in the base of the 1½" hex socket to fit Budd wheels, making it a complete rim nut wrench for all Ford trucks. The NO. 1152 20" hexagon leverage bar is supplied as a part of this set.

NO. 1152F, NET PRICE, complete



CHEVROLET TRUCK RIM WRENCH SET NO. 1152G

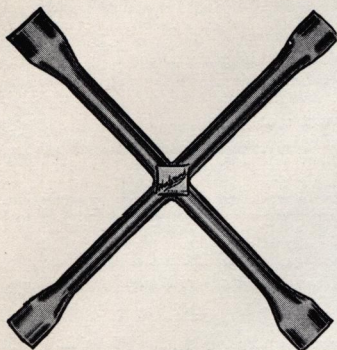
Contains No. 1150B. Socket openings, 5/8" square, ¾" hex and 1½" hex, to service all Chevrolet Dual Wheels. The NO. 1152H 20" leverage T bar is included.

NO. 1152G, NET PRICE, complete

Four-Way Rim Wrenches

Extra Long Arms for Wide Fender Clearance

Drop Forged Solid In One Piece—No Welds



NO. 1056X FOUR-WAY RIM WRENCH

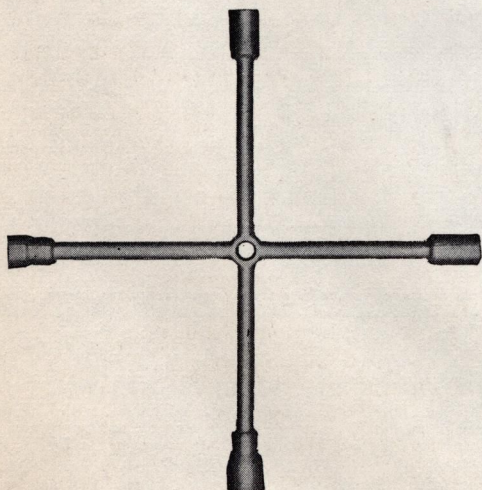
Extra Long for Wide Fender Clearance

The modern car, with its wide apron fenders, requires this extra size 4-way Rim Wrench for clearance and to safeguard knuckles. Extra speed and leverage are provided with the 22-inch reach of this specially constructed 4-Way Rim Nut Tool. It has extra deep, solid forged sockets that fit down snugly over the nuts, and the backs of the heads are tapered to readily clear on all types of wheels. Heat treated from end to end, smoothly ground and attractively finished.

Openings $\frac{3}{4}$ ", $1\frac{1}{8}$ ", $\frac{7}{8}$ " and $1\frac{1}{16}$ ". Length 22".

NO. 1056X is Special Analysis Alloy Steel.

NET PRICE, each.....



No. 1057X HEAVY DUTY TRUCK 4- WAY RIM WRENCH

Heavy duty hot forged construction. Heat treated throughout for long life under severe service station and fleet shop usage. Includes required openings for mounting or removing all truck wheels. $\frac{3}{4}$ " centre hole provided for inserting standard leverage bar.

Weight 15 lbs. Openings $1\frac{1}{8}$ ", $1\frac{1}{4}$ ", $1\frac{3}{8}$ ", $1\frac{1}{2}$ " hex. $1\frac{1}{16}$ " square. Length 27 inches.

NO. 1057X. DEALER NET PRICE.....

AUTOMATIC TRANSMISSION LUB-O-MATIC SETS

MORE LUBE JOBS ON AUTOMATIC TRANSMISSIONS



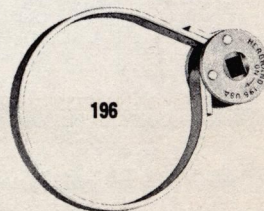
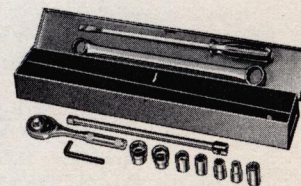
Set No. SS-60

A deluxe universal set of Lub-O-Matic tools which will help establish a station as automatic transmission service headquarters. Contains—Speed Ratchet—J-9A; Extension—J-27; Allen Hex Bit—J-61; Sockets—J-214, J-509, J-614, J-616, J-618, JC-624, JH-622; Screw Driver—317; 6 Point Box Wrench—4623; Long Box Wrench—5733. On attractive lettered Lub-O-Matic Board as shown above.

Set No. SS-41

Includes Hold-It Sockets—JC-624, JC-622 for Chrysler and Hudson; Screw Driver—317; Box Wrench—5733; Allen Wrench—AW-6; Reversible Ratchet—J-5; Extension—J-29; Sockets—J-214, J-509, J-614, J-616, J-618. In Metal Box B905.

Set No. SS-40. Same as above on Lub-O-Matic Wall Board.



OIL FILTER TOOL NO. 196

For Removing or Replacing Oil Filters

Because it can be used with a $\frac{3}{8}$ " drive ratchet, flex handle, torque wrench or extensions, this tool removes and replaces even inaccessible filters on every American-made car! Its unique design makes it the only practical tool for removing and replacing the filter on Valiant, Rambler, Chrysler, Plymouth, Dodge, Ford, G.M. cars etc. Because of its compact design, it works equally as well on either vertical or horizontal filters. It's a real time-saver!

Lubricating Tool Section



VAN-CHROME No. 2373
CRANKCASE DRAIN PLUG WRENCH
For Ford and Mercury Cars

Drop Forged from Chrome Molybdenum Steel

The crankcase drain plugs on the Ford V8 and Mercury cars cannot be reached with ordinary wrenches.

This wrench is drop forged from Chrome Molybdenum steel—not a stamping or casting. It is precision made for perfect fit and will give unlimited service under hard, daily usage.

2" hexagon opening accurately sized to perfectly fit the special plug. Designed with a unique bend to clear all obstructions. The 11" handle provides plenty of leverage. Plated in chrome with polished faces. Weight 1 lb.

NET PRICE, each.....



"VAN-CHROME" DRAIN PLUG WRENCH NO. 193
Ten Tools in One For All Female Plugs

Drop Forged from Chrome Alloy Steel

Combined in one wrench are the ten different sizes of lugs required to service all countersunk drain and filler plugs in the clutch, crankcase, transmission and differential on most automobiles and trucks. The lugs are forged accurately to size, assuring perfect fit. Provides powerful leverage to easily remove stubborn plugs. Chrome finish.

NET PRICE, each.....



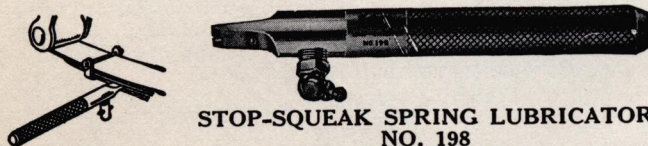
"VAN-CHROME" DRAIN PLUG WRENCH NO. 194
Seven Wrenches In One For All Male Plugs

Drop Forged from Chrome Alloy Steel

Fits the male plugs on crankcase, transmission and differential of practically all cars. Seven different 6-point and 8-point openings combined in one wrench, properly sized to fit all late models, including Ford, Chevrolet, Pontiac, Plymouth, Dodge, Buick, Studebaker, Olds and other makes. The openings are individually machined to precision limits, which insures a perfect fit and prevents mutilating or distorting plugs. Heat treated and finished in chrome plate.

Length 9". Weight 11 ozs.

NET PRICE, each.....



STOP-SQUEAK SPRING LUBRICATOR
NO. 198

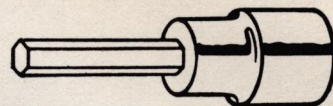
Universal For All Car Springs

The surest method of lubricating springs down to the last squeak! This inter-leaf system of oiling and greasing reaches the exact spot and lasts longer than spray oiling or any other method. Hours of time and aggravation cannot accomplish what this simple tool does in a few moments. Insert the wedge between the spring leaves, attach the grease gun to the conventional fitting, operate in the customary manner, and the grease is forced through the tool and out of the tapered end directly to the point of the squeak. Taking the weight off the springs by jacking the car up makes this simple operation even simpler, although this is not necessary to do a perfect job of greasing.

Machined from Chrome Molybdenum Steel, hardened and tempered for extra strength and finished in satin nickel. The finely tapered wedge readily separates the spring leaves, and the V-shaped opening is milled to the proper size to permit an easy flow of grease, which is forced through the standard grease gun fitting. The handle is deeply cross-knurled for a non-slip grip.

Length 5 3/4". Weight 7 ozs. Chrome finish.

NET PRICE, each.....



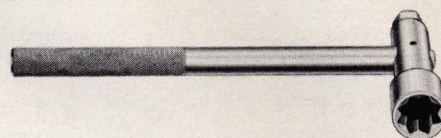
HEX BIT SOCKET NO. J-61

For Chevrolet Torque Converter Drain Plug

The No. J-61 is specially designed for simple removal and replacement of the drain plug in Chevrolet's Torque Converter Power Glide unit. It is 3/8" square drive with a 3/16" removable Allen bit which is the correct length for reaching the drain plug inside. The bit is short enough to stand the turning force necessary to break loose and reseal this plug.

Bit is locked in the socket with an Allen set screw and is easily replaced when worn or damaged. Allen Bit is specially heat treated for extra strength and socket is hot forged of tough alloy steel, handsomely chrome plated.

NET PRICE, each.....

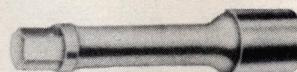


CORVAIR - VALIANT DIFFERENTIAL FILLER
PLUG TOOL NO. 199

A combination of two tools in one designed to speed up removing and replacing differential filler plugs on the Corvaire and Valiant compact cars.

The 8 point socket end of the No. 199 is specially designed for the Corvaire differential filler plug.

The 1/2" hex end fits perfectly into the female differential filler plug on the Valiant.

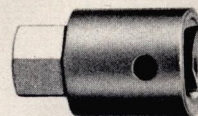


DIFFERENTIAL FILLER PLUG WRENCH No. J-42
FOR 1959 FORD AND MERCURY CARS.

A new wrench developed to speed the removal of the 3/8" differential filler plug hex in the 1959 Ford and Mercury cars. It has a 3/8" hex end which fits the female filler plug and a 3/4" drive end to be used with a standard ratchet or hinge handle. The J-42 is 3-1/8" long to clear the extra long stud in the housing.

One piece construction from chrome alloy steel, chrome plated.

No. J-42 NET PRICE



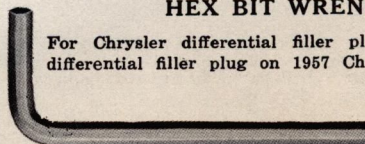
FILLER PLUG WRENCH NO. S-42

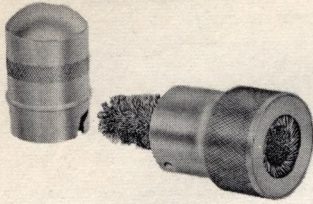
A time saver for the busy mechanic. Used on standard 1/2" drive socket handles, it has a 9/16" hex which fits the differential carrier filler plug now practically standard equipment on all makes of Chrysler Corporation cars.

No. S-42 NET PRICE

HEX BIT WRENCH NO. AW-18-L

For Chrysler differential filler plug. Length 9". 3/4" hex. fits the differential filler plug on 1957 Chrysler built cars. See Page 25.

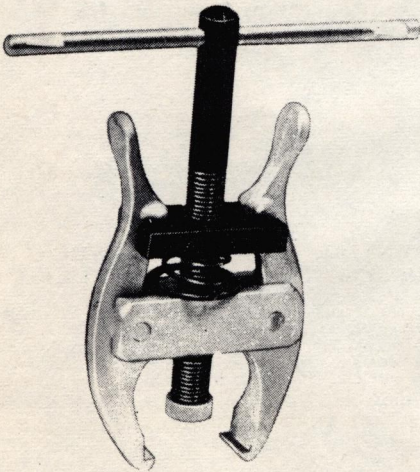




PAT. NO. 1888958

**BATTERY POST AND TERMINAL CLEANER
NO. 170**

With the advent of 12 volt batteries in passenger cars, this tool has become very much a necessity in maintaining electrical efficiency. One end is tapered to fit terminals. The other end cleans the battery posts . . . a few twists assure a clean positive contact. Removable cap protects the hand when cleaning battery parts.



NEW PULLER

**For Battery Terminal Clamps and
Ford Generator Bearings**

The No. 829 Battery Terminal Clamp Puller is of the two jaw design for removing badly corroded battery cable clamps and small fenerator bearings. The jaws are designed to grip below the cable clamp. Actual tests have proven this design tool to remove battery cables faster and without damage to either battery or cable.

No. 829 Battery Terminal Clamp and Ford Generator Bearing Puller — Weight per 10 — $4\frac{7}{16}$ lbs.

Battery Service Tools

Original Herbrand Creations



Pat. No. 1678313

**"VAN-CHROME" TERMINAL LIFTER
AND SCRAPER NO. 177**

Drop Forged from Chrome Vanadium Steel

Under the powerful leverage of this tool, badly frozen or corroded battery terminals snap up easily without marring, cracking or loosening the plates or injuring the tops of the cells. A special release joint dismembers the plier, providing one section with a serrated nose for cleaning terminals and the other with sharp jaws for scraping posts.

No. 177, hand polished and chrome plated. Length $10\frac{1}{2}$ ". Weight $13\frac{1}{2}$ ozs.

NET PRICE, each



178

**"VAN-CHROME" BATTERY PLIER
NO. 178**

Angle Jaws—Hand-fit Handles

Drop Forged from Chrome Alloy Steel

This popular, improved battery plier is original Herbrand design. The gripping jaws are serrated to take positive holds of terminal nuts, even though badly corroded, mutilated or eaten away. The jaws are set at an angle for easy accessibility, regardless of position of battery. The nose is tapered both sides to clear filler caps. Handles are curved for hand-fit grip.

Range $5/32$ " to 1". Length $7\frac{1}{2}$ ". Weight 7 ozs.

No. 178 Chrome plated, bright head.

NET PRICE, each



**BATTERY AND STARTER NUT WRENCH
NO. 276**

12-Point Openings—Panelled Handles

Drop Forged from Select Tool Steel

Here is a specially designed box type wrench with 12-point openings for either the removal or installation of the battery cable. One end has a $9/16$ " opening and fits battery terminal bolt nuts; the other end has a $5/8$ " opening and fits the copper nut on the starter switch, or starter motor connection. Chrome plated, buffed heads.

Length 6". Weight $2\frac{1}{2}$ ozs.

NET PRICE, each



BATTERY SERVICE SET NO. B-3R

The three tools in this kit are recognized by battery experts as the most essential and efficient for practically any type of battery service work. It carries the patented Battery Terminal Lifter and Scraper No. 177; the improved 30° angle No. 179 and Battery Plier with curved hand-fit grip; and No. 276 Battery and Starter Nut Wrench.

Tools are fully described above. Wght. 1 lb. 10 ozs.

NET PRICE, complete in pocket
Leatherette roll



Lifting Battery Terminal

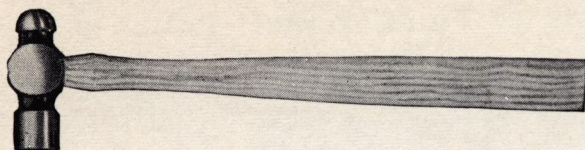


Dismembered for Cleaning



Scraping Terminal Post





Herbrand Ball Pein Hammers

Highest Quality—Full Finished

Drop Forged from Chrome Steel—Selected White Hickory Handles

Available in Ten Sizes

Good hammers are an indispensable necessity to any mechanic. Herbrand Hammers have been designed with a view to making them absolutely the most efficient on the market.

The heads are drop forged from a special analysis of chrome steel, individually double heat treated and oil tempered. The ball peins and faces are hand ground to a polished finish and tempered to an exact hardness for maximum wear. They will stand unusual service without spreading or chipping.

Handles are made from selected, first-quality, seasoned white hickory, with lengths carefully balanced for maximum hitting power and securely wedged to the heads so they will not come off.

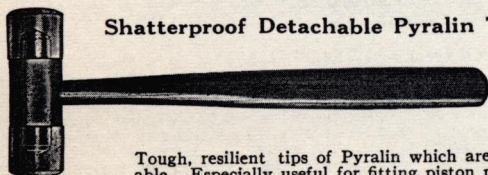
Mechanics who appreciate a high-quality hammer will find Herbrand without an equal.

No.	Weight	Net Price	No.	Weight	Net Price
BP-3	3 ozs.		BP-20	1 1/4 lbs.	
BP-6	6 ozs.		BP-24	1 1/2 lbs.	
BP-8	8 ozs.		BP-32	2 lbs.	
BP-12	12 ozs.		BP-40	2 1/2 lbs.	
BP-16	1 lb.		BP-48	3 lbs.	

Handles for Ball Pein Hammers

No.	Net Price	No.	Net Price
BP-8-H		BP-24-H	
BP-12-H		BP-32-H	
BP-16-H		BP-40-H	
BP-20-H		BP-48-H	

PROTECTOTIP HAMMERS AND MALLETS



Shatterproof Detachable Pyralin Tips

Tough, resilient tips of Pyralin which are easily replaceable. Especially useful for fitting piston pins, wrist pins, gears, bearings, tapping valves, ignition and distributor work. Made in two sizes. The centre is nickel steel, with the best quality hickory handle securely wedged to the head so it will not come off.

NO. 652, Hammer, 8-oz. Tips 1" diam.....NET PRICE, each....
 NO. 653, Extra Pyralin Tips.....NET PRICE, each....
 NO. 654, Hammer, 12-oz. Tips 1 1/8" diam.....NET PRICE, each....
 NO. 655, EXTRA Pyralin Tips.....NET PRICE, each....

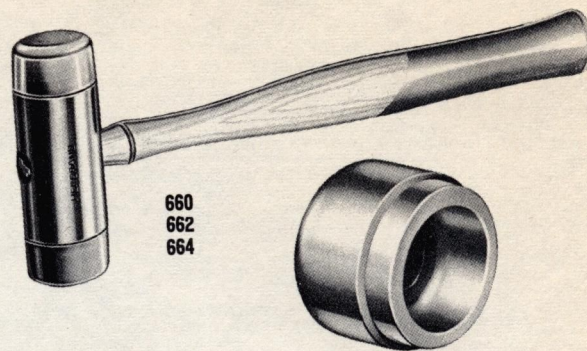


CHAMPION

HEAVY DUTY HAND HAMMERS

Drop forged. NuRed enamel finish. Polished face and pien. Best quality hickory handle.

No.	Weight	No.	Weight
0	1 1/2 lbs.	3	3 lbs.
1	2 lbs.	4	3 1/2 lbs.
2	2 1/2 lbs.	5	4 lbs.



660
662
664

Soft Impact Nylon Hammers

Herbrand Nylon Hammers are scientifically designed for perfect balance, adaptability and lasting service. Patented interlocking head construction prevents the replaceable nylon faces from becoming loosened in use.

In repeated tests and experiments the detachable, molded nylon tips have outlasted and out-performed other popular "soft impact" hammers. They will not chip, break, absorb moisture or change shape under continued hard use. They are resistant to oils and acids and have no rebound action.

The result of long research and skilled craftsmanship, they are also the toughest and most durable soft-faced hammers obtainable.

Handles are from seasoned, top grade, selected hickory.

No. 664 is designed to afford a soft blow to the heaviest work, also invaluable as a body and fender hammer. By virtue of its soft faces it is ideal for changing tires without damaging beads. Eliminates the possibility of personal injury caused by rebound force so common in other hammers.

Diameter of face 1 1/4". Head 5 1/2" overall. Length 13". Packed 6 to a box.

NO. 664—32 ounce NYLON HAMMER. NET PRICE.....
 NO. 665—extra nylon tips (set of two). NET PRICE.....

No. 662 is a most popular hammer for fitting piston pins, wrist pins, gears, bearings, etc. Provides the proper weight for the extra power needed for medium sized work. Highly adaptable to many jobs in body repair.

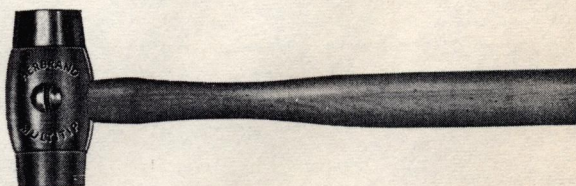
Diameter of face 1 1/2". Head 4 1/2" overall. Length 12". Packed 6 to a box.

NO. 662—20 ounce NYLON HAMMER. NET PRICE.....
 NO. 663—extra nylon tips (set of two). NET PRICE.....

No. 660 is especially useful for ignition, distributor, gear, bearing and any other delicate work where a light weight hammer is needed. Will furnish hitting and driving force without harm to small and easily damaged parts and finishes.

Diameter of face 1 1/4". Head 3 3/4" overall. Length 10 1/2". Packed 6 to a box.

NO. 660—10 ounce NYLON HAMMER. NET PRICE.....
 NO. 661—extra nylon tips (set of two). NET PRICE.....



Multitip 5 in 1 Hammer

Five Interchangeable Tips

A necessary part of every expert mechanic's equipment in garages, body and fender shops. Indispensable for fitting piston pins, wrist pins, and the like, because blows from the Multitip will not draw the metal nor bruise the work. Reduces rebounding to the minimum. The head tips, and handle are securely locked in the head with a special screw and lock washer. Inserting new tips is a matter of seconds and provides a new hammer for the mere cost of the tips. Weight with two tips 1 1/2 lbs. Hickory handle.

NO. 130 MULTITIP HAMMER with 1 each of 5 different interchangeable tips.....NET PRICE, complete.....

NO. 131, Extra Pyralin Tip.....NET PRICE, each.....

NO. 132, Extra Copper Tip.....NET PRICE, each.....

NO. 133, Extra Lead Tip.....NET PRICE, each.....

NO. 134, Extra Composition Tip.....NET PRICE, each.....

NO. 135, Extra Rubber Tip.....NET PRICE, each.....

"Van-Chrome" Chisels

Forged from Chrome Tungsten Tool Steel, Chrome Plated

The chief requisite of chisels is that they resist the severe demands made upon them and defy breakage. "Van-Chrome" Chisels are individually hammer forged from strong and tough Chrome Tungsten Alloy Steel made to Herbrand's special formula. Individually heat treated and tempered in perfectly timed electrically controlled furnaces. The cutting edge is beveled at the correct angle to remain sharp under extreme abuse. They are so finely tempered that they may be redressed with a file, yet stand up under the hardest usage.

Herbrand "Van-Chrome" Chisels are designed for perfect balance, and have octagon-shaped handles for better gripping. Each "Van-Chrome" Chisel is branded with the Herbrand mark of distinction, which is your guarantee of quality. Chrome plated and rust-proof. Polished blades.



FLAT CHISELS

Cat. No.	Size Stock	Width of Bit	Length	Net Price Each
400	5/16	5/16	5	
401	5/16	3/8	5	
402	3/8	1/2	6	
403	1/2	3/4	6	
404	3/8	3/4	7	
405	3/4	1	8	
406	3/8	1	9	



CAPE CHISELS

410	5/16	1/2	5	
411	3/8	3/4	6	
412	1/2	3/8	6	



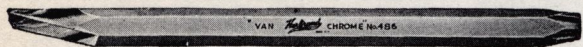
GOUGE CHISELS

420	5/16	1/2	5	
421	3/8	3/4	6	

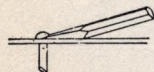


DIAMOND POINT CHISELS

430	5/16	3/4	5	
431	3/8	3/8	6	



"VAN-CHROME" RIVET SHEARING CHISELS



Designed to Shear Rivets Cleanly

Drop Forged from Chrome Vanadium Steel

Good rivet-shearing chisels are an important tool in every mechanic's equipment, because they save valuable parts by removing them quickly without damage.

The sharp nose on the cutting end of Herbrand Rivet-shearing Chisels is pitched at an angle that provides ample clearance for the hands, avoiding injury. The 10" and 14" lengths reach into the most confined quarters. Their keen cutting edges are ground to an angle that gets under the rivet heads, and the full force of the blow is exerted on the shear blades, cutting the rivets off cleanly and quickly.

Forged from a select 3/4" octagon Chrome Vanadium Steel for rigidity and utmost strength to withstand the severe pounding to which they are subjected.

NO. 486, 10" long.

NET PRICE, each.....

TO SHARPEN HERBRAND CHISELS

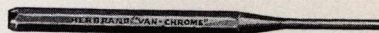


Grind the
Head
FILE THE
POINT

"Van-Chrome" Punches

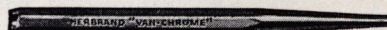
Chrome Alloy Steel, Chrome Plated

Constructed for strenuous driving, piercing and marking purposes, they will retain their points permanently. Herbrand "Van-Chrome" Punches are carefully forged from the toughest Chrome Alloy Steel and scientifically heat-treated for the utmost possible endurance. Chrome plated with points polished to a high lustre.



PIN PUNCHES

Cat. No.	Size Stock	Diameter of Point	Length	Net Price Each
440	5/16	1/8	4 1/2	
441	5/16	3/16	4 1/2	
442	5/16	1/4	4 1/2	
443	5/16	5/16	6	
444	3/8	3/8	6 1/2	
445	3/8	1/2	6 1/2	
446	1/2	1/2	7	
447	1/2	3/4	7 1/2	



SOLID TAPER PUNCHES

450	5/16	1/16	4 1/2	
451	3/8	3/16	5	
452	1/2	1/4	6	
453	3/8	5/16	7	



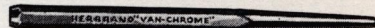
LONG TAPER PUNCHES

460	3/8	1/8	8	
461	1/2	1/4	9	
462	3/8	3/4	11	



LONG ALIGNING PUNCHES

463	3/8	1/16	12	
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CENTER PUNCHES

470	5/16	1/8	4 1/2	
471	3/8	1/4	5	
472	1/2	1/2	6	

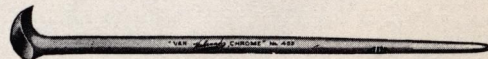


"VAN-CHROME" JIMMY BARS

Forged from Chrome Alloy Steel, Chrome Plated

Invaluable for prying, alignment work and many other purposes. One end has a long, sharp-pointed taper; the other end has a sharp, curved leverage blade. Drop forged from special Chrome Alloy Steel and permanently finished in satin nickel with brightly polished points.

Cat. No.	Size Stock	Diameter of Point	Length	Net Price Each
480	1/2	1/8	12	
481	3/8	5/16	16	
482	3/4	1/4	20	



MULTIPURPOSE LEVERAGE AND PRY BAR.

Drop Forged from Chrome Vanadium Steel

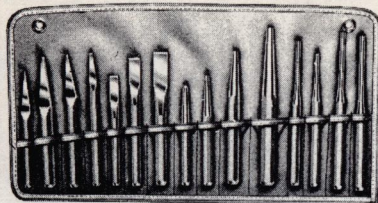
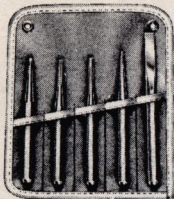
The novel design of the forged head of these pry bars permits a great many uses never before found in any tool. They have all the utility of the older types plus additional value as a pry for taking off gears, bushings, bearings, grease caps, grease retainers, ball races and lifting cylinder heads. The tapered end can be used for lining up body and fender bolt holes, motor support bolt holes, etc.

No pry bar on the market can compare with this new type Herbrand-Pry Bar, which is designed for dozens of new uses and built to stand up under the heaviest work. The pry point is thinned down to readily engage close-fitting parts, and the rounded heel supplies a powerful leverage.

NO. 485, length 15" NET PRICE, each.....

"VAN-CHROME" PUNCH AND CHISEL SETS

Carrying the Strongest Cutting and Piercing Tools



PUNCH SET NO. C-10R PUNCH AND CHISEL SET NO. C-15R

NO. C-10 Punch Set, Vest Pocket Size. An assortment of handy small Punches and Chisel, especially useful for electrical work. Comprises one each of assorted Punches, Nos. 440, 441, 450 and 470, and Chisel No. 400. NET PRICE, in Vinyl roll.....

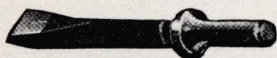
NO. C-15 Super Punch and Chisel Set. A well-balanced assortment of the fifteen most popular Punches and Cutting Tools which equip the mechanic for any job. Contains one each of Chisels Nos. 401, 402, 403, 410, 412, 421 and 431; assorted Punches Nos. 443, 444, 445, 446, 451, 452, 453 and 471. NET PRICE, in Vinyl roll.....

CHISEL SET NO. C-5R

Includes one each— 402, 403, 404, 405, 406 Chisels in Vinyl Tool Roll KC-5.

TOOLS FOR PNEUMATIC HAMMERS

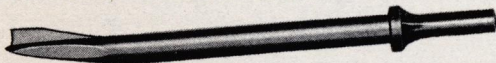
Fit all late models — 401 Dia. Round Shanks
Shock resisting alloy steel assures long life. "End-to-End" hardening delivers maximum power.



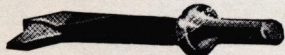
No. P364 RIVET BUSTER — Eliminates the hazards of using torches on many jobs — offset blade $\frac{5}{8}$ " wide, length $6\frac{1}{4}$ ".



No. P352 SPLITTING TOOL — Will slice through bushings, cylinder sleeves, muffler connections, etc. Length 7".



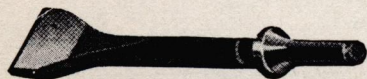
No. P351 MUFFLER TAIL PIPE REMOVER — Separates telescoped tubings without damage to inner section. Overall length $7\frac{1}{2}$ ".



No. P350 AUTO BODY RIPPER — Turns in short radius, cuts rapidly. The clean cut saves work in edging, leading and welding. Length $6\frac{1}{4}$ ".



No. P360 COLD CHISEL — Cuts frame members, nuts, bolts, tees & angles, etc. Blade width $\frac{5}{8}$ ", length $6\frac{1}{2}$ ".

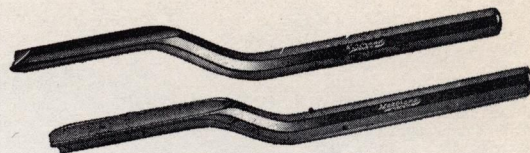


No. P380 SCRAPER CHISEL — Scrapes paint, rust, undercoating, roof coating, etc. Width of blade $1\frac{3}{4}$ ", length $7\frac{1}{4}$ ".

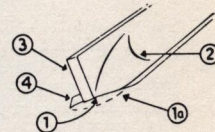


No. P382 TAPERED PUNCH — Drives out rivets, pins, etc. Dia. of point $\frac{1}{8}$ ", length $6\frac{1}{2}$ ".

MUFFLER & TAIL PIPE CUTTERS



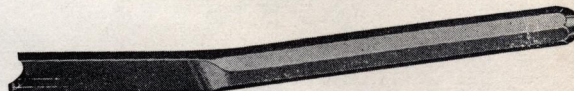
1. Concave surface (on No. 492) fits smoothly over inside tube while cutting outside tube, prevents wobble and damage.
- 1a. Convex surface (on No. 491) fits under outside tube does same as above for cutting inside tube.
2. Curved "plow share" pulls the cut tube away from good part, breaking seal of rust and corrosion.
3. Sharp cutting edge turns up clean ribbon of metal.
4. Right angle straight edge keeps tool cutting straight ahead.



There is no trick to removing tail pipes or muffler with the No. 490 Set. The No. 490 Set consists of two companion tools: No. 491 cuts internal and No. 492 cuts external.

Made of high grade hot forged alloy steel, accurately machined and heat treated. These tools cut the metal in a clean, straight line, automatically freeing the frozen connections without any damage to the good part. Made for long life under heavy usage.

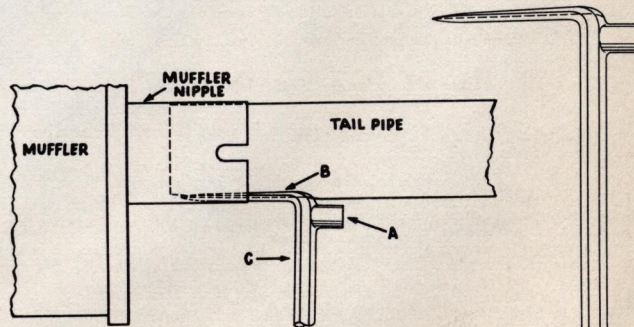
No. 490B, set. DEALER NET PRICE, each.....



MUFFLER & TAIL PIPE CUTTER NO. 497

Forged— $\frac{1}{2}$ " Octagon Alloy Steel — Heat treated and tempered. Satin nickel finish, cutting head polished. Length 10". Weight 8 ozs.
The safest and most efficient muffler and tail pipe cutting tool yet developed. Cuts the metal. No rips, no tears, no dangerous rough edges. The angle between handle and working head provides proper clearance for hand and hammer. NET PRICE.....

ONE MINUTE MUFFLER REMOVING TOOL, NO. 498



This new labor and time saving muffler and tail pipe removing tool, eliminates the hard work of cutting and chopping often necessary in separating and removing many types of rusted and frozen together mufflers and tail pipes.

It takes only a few seconds to drive the elongated and specially convex shaped blade (B), of this tool between the muffler nipple and tail pipe (see illustration), a slight side pull of the handle if necessary, and the rusted and frozen bond between the muffler nipple and tail pipe is broken — the units are free. With this tool neither the muffler nipple or tail pipe is cut, or materially damaged, either or both units can be re-used. Length 11".

THE TOOL BLADE NEVER NEEDS SHARPENING.

PAT. NO. 2,860,408 U.S.A.

Ace

**ACE
DRILLS**

GROUND FROM

THE SOLID

Drills



Straight Shank

High Speed Steel

Ace Drills are hardened before fluting. Hardening prior to fluting has definite metallurgical advantages. The round bar is the perfect agent for heat treating and can be hardened at top temperature range for maximum cutting ability. Shape is not a limiting factor as it would be in the case of an already fluted drill.

The flutes are "ground from the solid", correctly shaped and polished to a smooth, high finish—producing a free cutting drill.

TRIPLE DUTY DRILLS—STRAIGHT SHANK

Diameter, Inches	Decimal Equivalent, Inches	Overall Length, Inches	Dealers Net Price, Each
1/64	.0156	3/4	
1/32	.0312	1 1/8	
3/64	.0469	1 3/8	
1/16	.0625	1 7/8	
5/64	.0781	2	
3/32	.0937	2 1/4	
7/64	.1094	2 1/2	
1/8	.1250	2 3/4	
9/64	.1406	2 7/8	
5/32	.1562	3	
11/64	.1718	2 7/8	
3/16	.1875	2 15/16	
13/64	.2031	3 1/16	
7/32	.2187	3 1/8	
15/64	.2344	3 1/4	
1/2	.2500	3 3/4	
17/64	.2656	3 7/8	
9/32	.2812	3 15/16	
19/64	.2968	3 11/16	
5/16	.3125	3 13/16	
21/64	.3281	3 15/16	
11/32	.3437	4	
23/64	.3593	4 1/8	
3/8	.3750	4 1/4	
25/64	.3906	4 3/8	
13/32	.4062	4 1/2	
27/64	.4218	4 5/8	
7/16	.4375	4 3/4	
29/64	.4531	4 7/8	
15/32	.4687	5	
31/64	.4843	5 1/16	
1/2	.5000		

Ace Drills also available in "Letter" gauge and "Wire" gauge sizes.

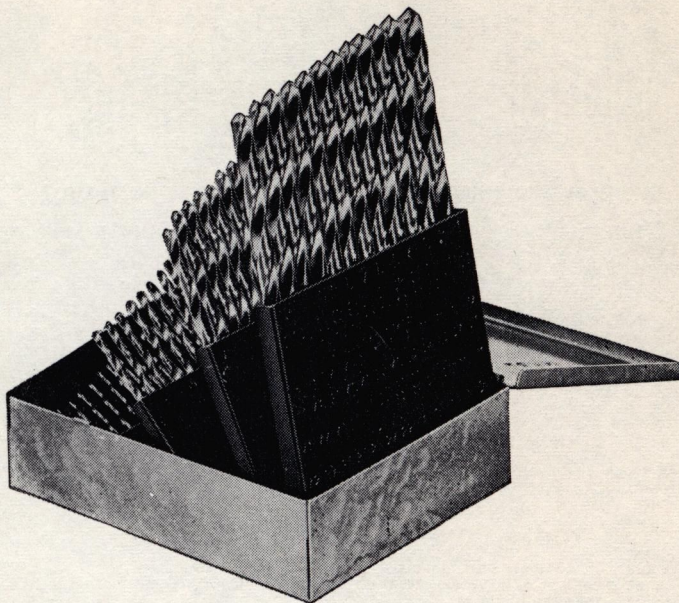


LARGE DIAMETER DRILLS WITH 1/4" SHANKS
For Use in 1/4" Portable Electric Drills

Diameter, Inches	Decimal Equivalent, Inches	Overall Length, Inches	Dealers Net Price, Each
1/4	.2500	3 3/8	
5/16	.3125	3 13/16	
3/8	.3750	4 1/16	
7/16	.4375	4 11/16	
1/2	.5000	5 1/16	

SET NO. 5-TD includes 1 each of the above in leatherette carrying case.
NET PRICE.....

Ace Drills in Huot Cases



THE RIGHT SIZE DRILL

When and Where It's Needed

No hunting for the **right** size. It's always **right there** at your fingertips. A "must" for the "outside" man, the Huot Cases is equally desirable inside the shop for quick selection of drills.

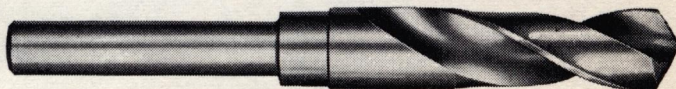
Quarterpak . . . A handy set that fits the pocket. Sizes 1/16 to 1/4 inch by 64ths. Set of 13 high speed Ace drills. . . .

No. 29TD—Sizes 1/16 to 1/2 by 64ths, 29 Ace Drills . . .

No. 21TD—Sizes 1/16 to 3/8 by 64ths, 21 Ace Drills. . . .

No. 11TD—Sizes 1/16 to 3/8 by 32nds, 11 Ace Drills. . . .

No. 15TD—Sizes 1/16 to 1/2 by 32nds, 15 Ace Drills. . . .



"ACE" LARGE DIAMETER DRILLS

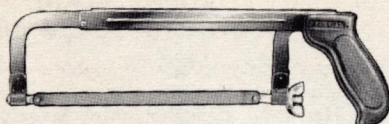
With 1/2" Shanks

(FOR USE IN PORTABLE ELECTRIC DRILLS)

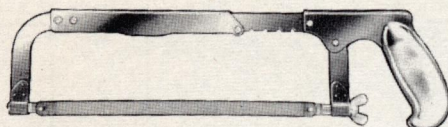
As an extra convenience to the mechanic the shanks of these large dia. drills have been turned down to 1/2" so they can be used in regular 1/2" portable electric drills. Available in the following sizes:

Size	Net Price, each	Size	Net Price each
17/32"		25/32"	
9/16"		13/16"	
19/32"		27/32"	
5/8"		7/8"	
21/32"		29/32"	
11/16"		15/16"	
23/32"		31/32"	
3/4"		1"	

HSF-5



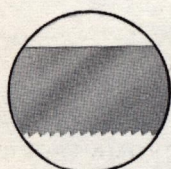
HSF-10



ADJUSTABLE HACK SAW FRAMES

HSF-5 Standard adjustable frame handles blades up to 12". Pistol grip molded handle. Weight per 10—10 lbs.

HSF-10 All steel construction to withstand heavy abuse. Checkered pistol grip handle. Rigid reinforced back adjusts from 8" to 12" blades. Especially designed for automotive mechanics. All nickel finish. Weight per 10—12½ lbs.



HACK SAW BLADES

Herbrand provides a complete range of highest quality hack saw blades. A type and size for every job. For the extra tough jobs, high speed, special alloy steel blades. For standard work the flexible back hardened blades.

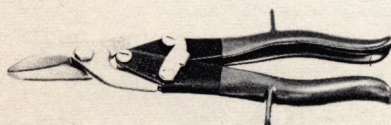
FLEXIBLE—BACK HARDENED BLADES

Part No.	Length	Teeth Per Inch	Part No.	Length	Teeth Per Inch
HF-1018	10	18	HF-1218	12	18
HF-1024	10	24	HF-1224	12	24

HIGH SPEED BLADES

HS-1018	10	18	HS-1218	12	18
HS-1024	10	24	HS-1224	12	24

COMPOUND ACTION AVIATION SNIPS



Hot drop-forged blades of alloy steel, keenly ground edges, hardened and tempered so that blades are of uniform hardness, retaining their sharpness over longer periods of service. Both edges serrated to prevent slipping of the material. Self-locking nuts keep snips in proper adjustment. Fast action spring returns blades to open position for smooth, continuous cutting.

TS-10-L and **TS-10-R** designed to cut intricate patterns; **TS-10-S** for straight cutting and shallow arcs; Wgt. Ea. ¾ lb.

Polished Head, Cushion-Grips with Hand Guards.

TS-10-L	10"	1½" Cut	Cuts LEFT
TS-10-R	10"	1½" Cut	Cuts RIGHT
TS-10-S	10"	1½" Cut	Cuts STRAIGHT



"VAN-CHROME" GASKET CUTTING PUNCHES

For Cutting Gaskets, Shims, Templates, etc.

Drop Forged from Chrome Vanadium Steel

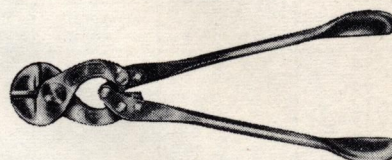
When gaskets, shims or templates must be cut on the job, the newly designed Herbrand Gasket Punches will be found invaluable and economical from a time-saving standpoint. They cut perfectly and equally well on sheet packing, rubber, lead, brass, copper, leather and other materials. Mechanics and engineers in garages, oil refineries, power stations, steamships and industrial plants cannot afford to be without them, especially when an emergency requires the immediate replacement of gaskets. A special heat treating and tempering process gives them extra toughness and a clean cutting quality that delivers a perfect job.

Punch Number	Cutting Size Diam.	Length	Net Price Each
771	¼"	2½"	
772	⅜"	2½"	
773	½"	2½"	
774	⅝"	2½"	
775	¾"	2½"	
776	1"	2½"	
777	1½"	2½"	

SET No. 770, comprising one each of the seven above Cutting Punches.

NET PRICE, in fibre box.....

NET PRICE, in leatherette case.....



CHANNELLOCK

NO. 99 DUAL-RANGE UTILITY CUTTER

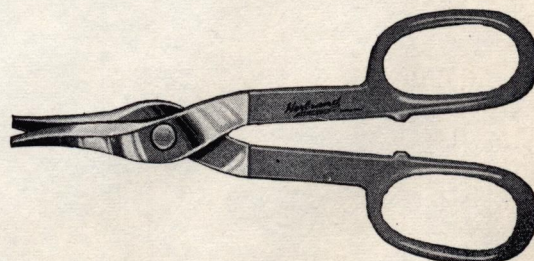
For cutting soft bolts, wire, soft steel rods, battery posts, insulated wire, etc. Easy change in bolt positions give 2 cutters in 1 with an overall range of ¼" to ¾".

HANDLE DESIGN GIVES MAXIMUM COMFORT

DROP FORGED **INDUCTION HARDENED CUTTERS**

Length 16 ¾"

Weight, 3 lbs.



METAL CUTTING SNIPS

"Duck Bill" pattern

For Straight, Circular and Irregular Shapes

Drop Forged, Heat Treated and Adjusted

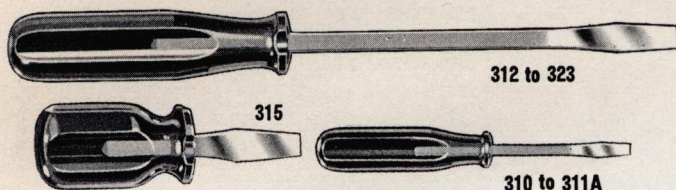
For cutting intricate patterns or curves, cleanly and smoothly, without bending the metal, these special "duck-bill" snips have no equal. The thin cutting edges of the blades, with well-balanced, strong leverage handles, produce a cutting quality that cleanly cuts body, sheet metal or other heavy materials with ease.

Available in three popular sizes for automotive application. The 7" is particularly adapted to cutting shims and gaskets; the 12" cuts larger areas and heavier metals.

NO. TS-7, length 7". Cut 1¼". Weight 7 ozs. **NET PRICE** each

NO. TS-10, length 10" **NET PRICE**, each

NO. TS-12, length 12". Cut 3". Weight 1½ lbs. **NET PRICE**, each



SQUARE BLADE PROTECTOGRIP SCREW DRIVERS

Insulated Handles

Blades Forged from Chrome Tungsten Tool Steel

The Blue tenite II handles are perfect insulators against electricity and will stand eight thousand volts or more. Just the right size to fit snugly into the palm, and the special deep fluted design prevents slipping even in greasy hands. These handles are individually machined from bars of tenite II, which are carefully cured to provide indestructible qualities.

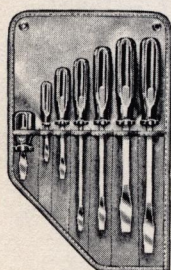
The blades are cross-forged from Chrome Tungsten Alloy Steel, and this special Herbrand forging process strengthens the blades and enhances the appearance. The tips are accurately ground to standard gauges, insuring a positive non-slip fit in screw slots. Only square stock is used on the blades, which permits using a wrench for extra leverage.

The shanks of the blades extend far into the handles to prevent any possibility of turning. The blades are heat treated to give maximum service and resiliency.

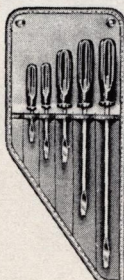
Protectogrip are the toughest, strongest screw drivers ever offered the automotive trade, and they will stand surprising abuse and wear. Blades are triple plated in satin nickel with polished points.

Cat. No.	Length of Blade	Size Sq. Stock	Overall Length	Net Price Each
310	2	1/8	4 3/8	
311	3	1/8	4 3/8	
*311A	6	1/8	7 1/2	
312	3	1/8	6 1/4	
313	6	1/8	9 1/4	
314	9	1/8	12 1/4	
315	1 1/4	1/4	3 1/2	
315A	4	1/4	8	
316	6	1/4	10	
317	10	1/4	14	
318	1 1/4	3/8	3 1/2	
319	7	3/8	11	
320	12	3/8	16 1/4	
321	6	3/8	10 1/4	
322	12	3/8	18 1/2	
323	16	3/8	22 1/2	

*Special for electrical and carburetor work.



Set No. SD7R



Set No. SD5R

PROTECTOGRIP SCREW DRIVER SETS

Set NO. SD-5, for electrical, ignition and radio service, carries five slim, narrow shank drivers, Nos. 310, 311, 312, 313, 314.

NET PRICE, in pocket leatherette case -----

SET NO. SD-7, a general service assortment containing a wide range of seven genuine Protectogrip Screw Drivers that fill an all-purpose need. Includes Nos. 310, 312, 313, 315, 316, 319 and 321.

NET PRICE, in pocket leatherette roll -----

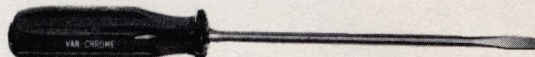


ROUND BLADE PROTECTOGRIP SCREW DRIVERS

Built for heavy duty, precision machine and tempered blades, forged from chrome Vanadium steel. Genuine tenite II handles with the Herbrand exclusive palm fit grip.

MACHINISTS TYPE

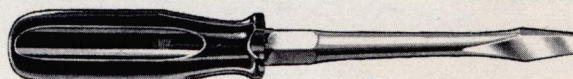
Number	Bit Width	Blade Length	Size Stock	O.A. Length	Dealer Net Price
214	1/4	4"	1/4"	8"	
216	1/8	6"	1/8"	10"	
218	3/8	8"	3/8"	12"	
220	3/8	10"	3/8"	15"	
222	7/8	12"	3/8"	17"	



CABINET TYPE

Long thin blades especially recommended for electrical work.

Number	Bit Width	Blade Length	Size Stock	O.A. Length	Dealer Net Price
213E	3/8	3"	3/8	6 1/2"	
214E	1/8	4"	1/8	7 1/2"	
216E	1/8	6"	1/8	9 1/2"	
218E	1/8	8"	1/8	11 1/2"	



HEX BOLSTER (Slot Type)

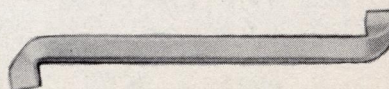
"VAN-CHROME" SCREWDRIVERS

The very finest money can buy

Built for heavy duty use, special analysis alloy steel, precision processed and heat treated in automatically controlled furnaces for diamond-hard tips and tough resilient shanks. Genuine Tenite II plastic handles; with the Herbrand exclusive palm-fit grips. All are fire-safe and extraordinarily tough.

Number	Bit Width	Blade Length	Bolster Across Flats	O.A. Length	Dealer Net Price
291	1/4	4 7/8"	1/2	8 7/8"	
292	1/8	6"	1/2	9 5/8"	
293	3/8	7"	1/8	13 5/8"	
294	3/8	8 7/8"	1/8	11 13/16"	
295	1 1/8"	11	1/8	15 3/4"	

NO. 290R SET, 1 each of above 5 sizes in Vinyl roll.

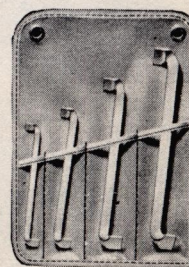


OFFSET SCREW DRIVERS

Forged from Chrome Tungsten Steel

The bits of the "Van-Chrome" double-end Offset Drivers are set at right angle to each other. These screw drivers come in a range of four popular sizes and are sold individually or in a complete set.

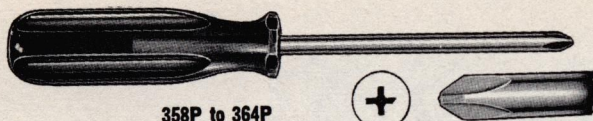
Forged from Chrome Tungsten Tool Steel with square handles, heat treated throughout, and finished in chrome plate with brightly buffed blades.



Set No. 350R

Number	Size Stock	Length	Bit Width
351	1/8	4	1/8
352	1/4	4 5/8	3/8
353	1/8	5 3/8	1/2
354	3/8	6 1/2	5/8

SET NO. 350R contains one each of the above four sizes listed, above
NET PRICE, complete in Vinyl roll



PHILLIPS BIT-TENITE II HANDLES

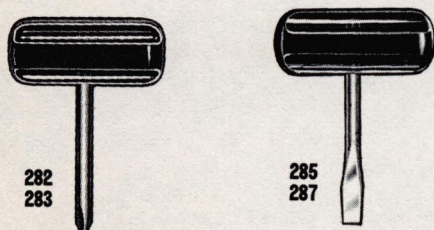
There is no finer Phillips screw driver made. Blades are accurately milled from special analysis shock proof alloy steel. Bits are carefully hardened to hold up under hard wear with shanks drawn for toughness. Full polish finish. Handles are extra large deep fluted Tenite II, shaped for comfort and maximum turning power.

No.	Fits Phillips Screws	Blade Length	Blade Diameter	Wt. Lbs. 10 Pcs.
358P	No. 4 and smaller	1	$\frac{3}{16}$	1
359P	No. 5 to 9 inc.	$1\frac{1}{2}$	$\frac{1}{4}$	$1\frac{1}{4}$
361P	No. 4 and smaller	3	$\frac{3}{16}$	$1\frac{1}{4}$
362P	No. 5 to 9 inc.	4	$\frac{1}{4}$	$1\frac{1}{2}$
363P	No. 10 to 16 inc.	6	$\frac{3}{16}$	$2\frac{1}{2}$
364P	No. 18 and larger	8	$\frac{3}{8}$	$4\frac{3}{4}$

SET NO. 360P. 1 each of No. 361P, No. 362P, No. 363P and No. 364P drivers listed above.

NET PRICE, in fibre box.....

NET PRICE, in leatherette case.....



T HANDLE SCREWDRIVERS

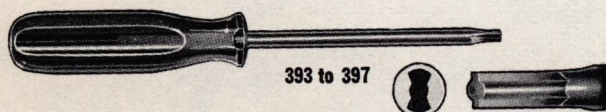
Chrome shock resisting hardened steel blades that will stand up on self-lapping screws. Multigrip Screwdrivers are scientifically designed to provide more powerful leverage with less effort. "FIST-FIT" Tenite II T-handle makes it easy to loosen tight or frozen screws. Equally easy to set screws firmly where a tight fit is required. Blades are only $2\frac{1}{2}$ " long which enables mechanic to use them in very close quarters. Blades are forged from special analysis steel, and are heat treated for extreme toughness and durability. Multigrip Screwdrivers are available in 2 sizes for Phillips screws and 2 sizes for slot screws and should be a welcome addition to every mechanic's tool chest.

No. 282, No. 2 point Phillips $3\frac{1}{4}$ " O.A.....NET PRICE.....

No. 283, No. 3 point Phillips $3\frac{1}{4}$ " O.A.....NET PRICE.....

No. 285, Slot $\frac{1}{4}$ " x $3\frac{1}{4}$ " O.A.....NET PRICE.....

No. 287, Slot $\frac{1}{4}$ " x $3\frac{1}{4}$ " O.A.....NET PRICE.....



FRICTION LOCK CLUTCH HEAD TYPE DRIVERS

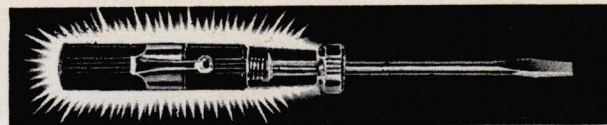
This is the new, improved driver which friction-locks into the screw head when turning out. Tenite II plastic handle.

Catalogue No.	Clutch Size	Blade Dia.	Blade Length	O.L. Length	Dealer Net Price
393	$\frac{1}{4}$ "	$\frac{1}{4}$ "	4"	$7\frac{3}{4}$ "	
395	$\frac{1}{2}$ "	$\frac{1}{2}$ "	6"	$10\frac{3}{4}$ "	
*397	$\frac{3}{4}$ "	$\frac{3}{4}$ "	6"	$10\frac{3}{4}$ "	

*Correct size for screws in Ford door striker plates.

NO. 390R SET, 1 each of above 3 sizes in Vinyl roll.

390 Set 1 each of above 3 sizes in box.



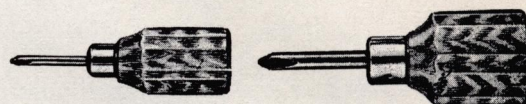
SPARK DETECTING SCREWDRIVERS

For testing high frequency circuits. When tip is placed on spark plug, distributor or leak in ignition wiring, etc., neon tube in handle flashes indicating condition of the circuit. Slender alloy steel blades, and shock-proof plastic handle.

NO. 304E, $\frac{1}{4}$ " x $2\frac{1}{4}$ ", 5" O.A. (with pocket clip). Dealer Net Price

NO. 305E, $\frac{1}{4}$ " x 4", $8\frac{1}{4}$ " O.A. Dealer Net Price

NO. 305ET, Replaceable neon tube for 305E. NET PRICE.....



PHILLIPS SCREW DRIVERS

Stubby Type—4-point Bits for Recessed Screws

This stubby type Phillips Screw Driver is very practical for inaccessible places, windshield moulding screws on G.M.C. and other cars, or wherever Phillips screws are used. High quality varnished wood handles with polished alloy blades. No. 358 fits Phillips Screws No. 4 and smaller; No. 359 fits Nos. 5 to 9.

No. 358. Length blade 1", overall 3". NET PRICE, each.....

No. 359. Length blade $1\frac{1}{2}$ ", overall $3\frac{1}{2}$ ". NET PRICE, each....

*NOT recommended for use on self tapping screws.



SCREW STARTERS

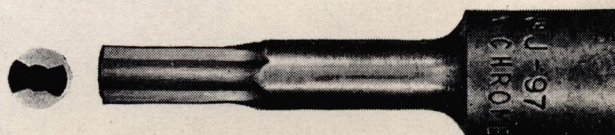
with shockproof NYLON handle

Nylon is the perfect tough yet flexible insulator against electric shock, making this new tool indispensable to mechanics for hard-to-get-at screws on generator, starter, ignition, radio or electrical work, and any other screw starting jobs.

Sharp, milled teeth of locking blade under powerful spring tension make it the best holding starter on the market... holds up to 15 lbs. pull on screw. It's the easiest to cock and lock... and when screw is seated or sufficient torque is developed in turning, it automatically releases by recocking.

Available in three lengths—3", 6" and 9". Designed for working ease, greater efficiency in operation, and greater durability for long, economical service.

Number	Length	Type Handle	Wt. Lbs. 10 Pcs.
372	$2\frac{1}{2}$	Aluminum	$\frac{1}{4}$
373N	$2\frac{1}{2}$	Nylon	$\frac{1}{4}$
375	5	Aluminum	$\frac{1}{4}$
376N	6	Nylon	$\frac{1}{4}$
379	9	Aluminum	$\frac{1}{4}$
379N	9	Nylon	$\frac{1}{2}$



CLUTCH HEAD SCREW DRIVER BIT NO. J97

Used on $\frac{3}{8}$ " drive socket handles. Provides the necessary leverage for Clutch Head Screws on Ford door striker plates.

MULTIFIT BODY AND FENDER HAMMERS

HERBRAND hammers are drop forged in special, multiple impression dies for maximum grain refinement of carefully selected tool steels. Working faces are accurately machined and carefully polished for ultra smoothness. Atmosphere controlled hardening operations insure durable faces even under severe use. Perfectly balanced, each hammer is securely fastened to special top quality second growth hickory handles with octagon shaped handles.

No. BF-1 Long Ball-End, Finish Hammer

For dual use. Ball end for raising low spots smoothly, and round flat finishing face. Face diameter $1\frac{5}{8}$ ". Head 6" O.A.L. Clearance, ball to handle $3\frac{5}{8}$ ". Length 12"; weight— $\frac{7}{8}$ lb.

No. BF-2 Shrinking and Bumping Hammer

New, extra wide round and square smooth faces needed to shrink metal after heating. Round face diameter $1\frac{7}{8}$ ", square face $1\frac{5}{8}$ ". Head $4\frac{1}{4}$ " O.A.L. Clearance $1\frac{5}{8}$ ". Length 12"; weight—1 lb.

No. BF-4 Low Spot, Long Picking Hammer

Special designed pick end for use thru coating or insulated material to peck out low spots while filing. Round face diameter $1\frac{5}{8}$ " with $1\frac{5}{8}$ " clearance. Pick end clearance $3\frac{5}{8}$ ". Head 6" O.A.L. Length 12"; weight— $\frac{3}{4}$ lb.

No. BF-5 Low Spot, Short Picking Hammer

Extra sharp picking point for small low spots, with perfectly balanced finishing head. Round face diameter $1\frac{5}{8}$ " with $1\frac{5}{8}$ " clearance. Pick point clearance $2\frac{3}{4}$ ". Head $5\frac{3}{8}$ " O.A.L. Length 12"; weight— $\frac{13}{16}$ lb.

No. BF-8 Dinging Hammer

The only perfectly balanced double round-face ding hammer with deep clearance. Hits solid flat blow in hard-to-reach places. Large head diameter $1\frac{5}{8}$ "; clearance $2\frac{3}{8}$ ". Small head diameter $1\frac{1}{4}$ ", clearance $2\frac{3}{4}$ ". Head $6\frac{1}{8}$ " O.A.L. Length 12"; weight—1 lb.

No. BF-12 New Shrinking and Finishing Hammer

Rounded corners on cross-milled face shrinks metal faster and with less damage than square-cornered types. Patent applied for. Head diameter $1\frac{1}{2}$ ". Head $4\frac{1}{4}$ " O.A.L. Length 12"; weight— $\frac{7}{8}$ lb.

No. BF-27 Magnetic Trim Hammer

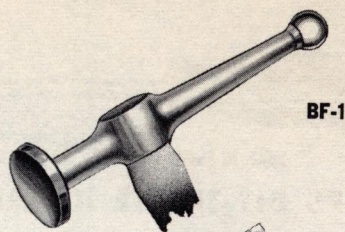
Forged of finest magnetic steel and carefully heat treated for long wear. White hickory handle. Head $5\frac{1}{2}$ " O.A.L. Length $10\frac{3}{4}$ "; weight— $\frac{5}{8}$ lb.

NO. BF-156G PICK HAMMER

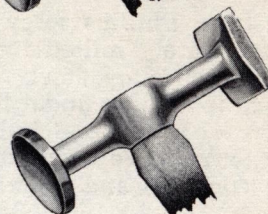
Long-reach, thin point for low spots on low-crown panels. Reaches over inner obstructions. One high-crown face. Weight 9 oz. Face, $1\frac{1}{4}$ " Round Point, $\frac{1}{32}$ " Radius. Length of pointed end, $5\frac{1}{2}$ ". NET PRICE, each

NO. BF-156GB CURVED PICK HAMMER

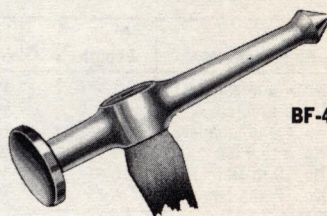
Reaches behind reinforcements into edges of roof nails and other difficult spots. Weight, 9 ozs. $1\frac{1}{4}$ " Round face, length of pointed end $5\frac{1}{2}$ ". NET PRICE, each



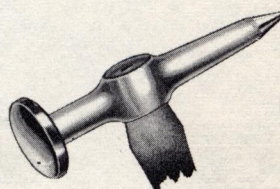
BF-1



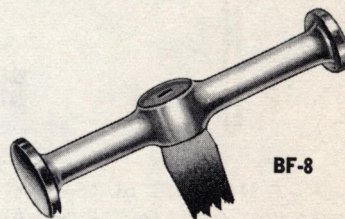
BF-2



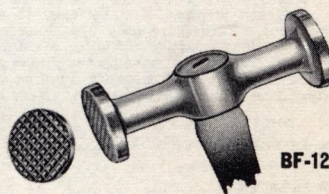
BF-4



BF-5



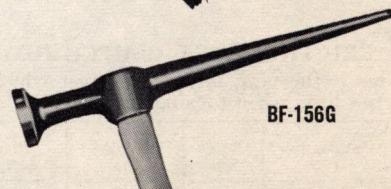
BF-8



BF-12



BF-27



BF-156G

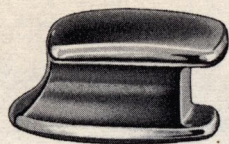


BF-156GB

BODY AND FENDER SPOONS

MULTIFIT ANVIL AND DOLLY BLOCKS

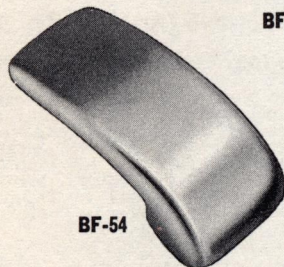
All Herbrand Anvil and Dolly Blocks are departures from the "old style chunks of steel." Each Herbrand block is carefully forged of alloy steel, accurately ground and polished to special shapes and dimensions for the many needed special applications.



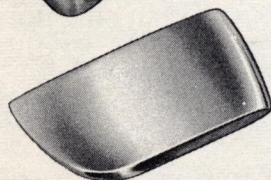
BF-51



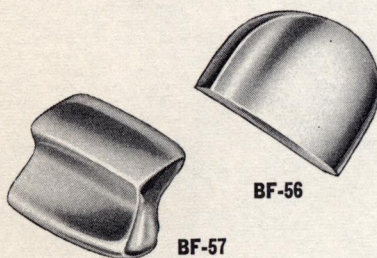
BF-52



BF-54



BF-55



BF-56

BF-57

No. BF-51 Heavy Weight Universal Anvil Block

With its wide curved surfaces, multi-angle planes and under-cuts, it fits a hundred special needs on body, fender or door work. Solid hand grip for bumping. Anvil faces 3" x 2 $\frac{7}{8}$ " and 1 $\frac{3}{4}$ " x 4". Length 4"; height 2 $\frac{3}{8}$ "; width 2 $\frac{7}{8}$ "; weight—3 lbs.

No. BF-52 Raising Block

Especially useful on deep-skirted fenders and around rolled edges. Shaped to protect hand and can be used for swinging blow without hammer. Size 2 $\frac{1}{4}$ " x 2-15/16" x 3". Weight—3 $\frac{1}{2}$ lbs.

No. BF-54 Roof Wedge Block

Sharp taper for driving out roof rails or bead, and for under fender braces. Wide end for moulding curved surfaces. Length 5-13/16"; width 2 $\frac{5}{8}$ "; length 2-3/16"; weight—3-11/16 lbs.

No. BF-55 Toe Type Block

Ideal for shrinking and dinging flat panels. Thinness and length provide easy accessibility to narrow pockets. Size 3 $\frac{1}{8}$ " x 2 $\frac{1}{4}$ " x 1-1/16"; weight—2 $\frac{1}{2}$ lbs.

No. BF-56 Heel Block

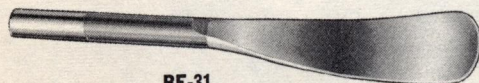
Designed especially to reach easily into sharp corners and wide radii. Size 3 $\frac{1}{8}$ " x 2 $\frac{3}{8}$ " x 1-7/16"; weight—2 $\frac{1}{2}$ lbs.

No. BF-57 Flange and Anvil Block

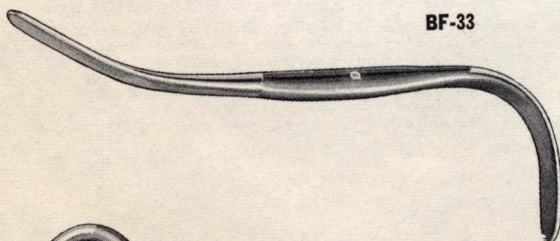
Handles many medium curve radii and flat-crowned surface excellent for dinging. Has several differently crowned working faces together with two beading and flange lips. Provides comfortable hand hold for dinging. Length 2 $\frac{7}{8}$ "; width 2 $\frac{1}{4}$ "; height 2 $\frac{3}{8}$ "; weight—3 lbs.

Rigid—Long Reach—Necessary Contours

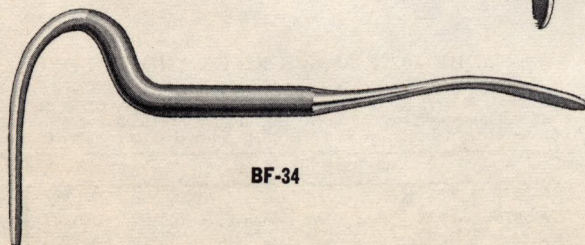
Hand Forged from Chrome Alloy Steel



BF-31



BF-33



BF-34

No. BF-31 Inside Pry and Surfacing Spoon

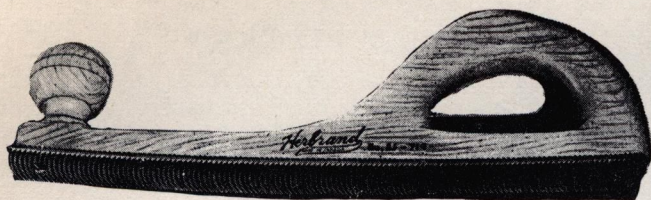
Works efficiently as a pry spoon behind braces and panel edges. Short handle for driving in limited space. Selected steels, drop forged, smoothly polished. Length 16"; face width 2 $\frac{1}{2}$ "; weight—2 $\frac{3}{4}$ " lbs.

No. BF-33 General Purpose Spoon

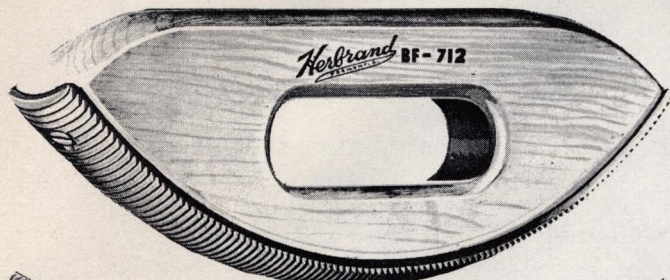
Shaped to fit the contours of most body parts. Two extra wide anvil oval faces for greater utility. Designed for driving or prying drip moulding, deck panels, headlight work and beading. Length 17 $\frac{1}{2}$ "; face width 2 $\frac{1}{2}$ "; weight—3 $\frac{3}{4}$ lbs.

No. BF-34 Pry and Bumping Spoon

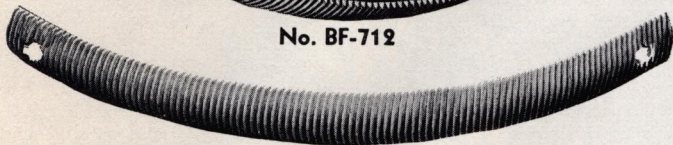
Double end, heavy duty door and body pry bumping spoon with wide slightly crowned faces. Blades angled for use as lever or anvil for door panels, cowls, aprons and back bracing irons. Length 20"; face width 2 $\frac{1}{2}$ "; weight—4 $\frac{1}{2}$ lbs.



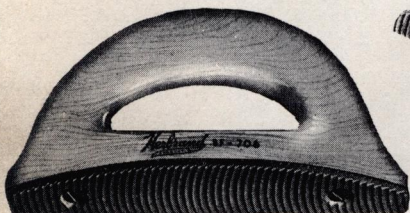
NO. BF-514 AND NO. BF-614 HOLDER



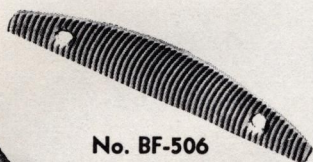
No. BF-712



No. BF-512



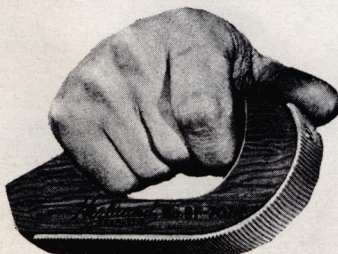
No. BF-706



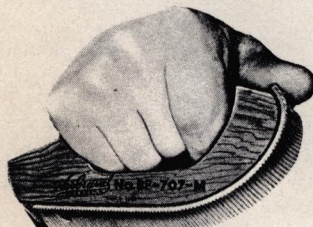
No. BF-506



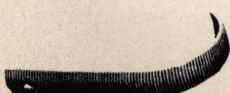
No. BF-507F



No. BF-707F



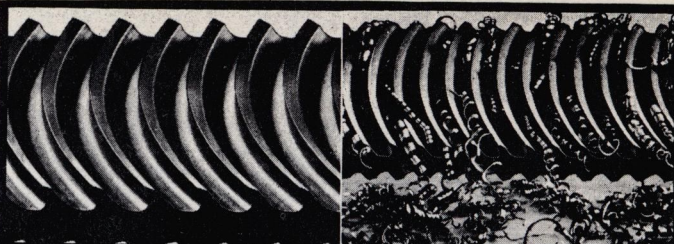
No. BF-707M



No. BF-507S



No. BF-707S



Enlarged views showing the individually milled, U-type, Extra Deep Teeth and how they avoid clogging or loading by producing ribbon-like shavings which spiral off the blades, always maintaining sharp, fast cutting teeth.

Van-Chrome Files and Holders

Milled, U-Type, "Shave Cut" Teeth

Self Cleaning—No Packing, Loading or Clogging

Startling developments in these New Super-Efficiency Files are based on the milling cutter principle. Each tooth is individually milled with a land, which increases the strength and cutting qualities, and a "U-Shaped" groove which provides maximum clearance and produces curled metal shavings, eliminating all packing and loading so common with the conventional V-Cut file. The keen, razor-like teeth speed up any metal planing work and they are more effective for filing soft metals like solder, lead or aluminum which clog or load ordinary files.

FLAT AND SHAPED FILE HOLDERS

New Holders of vastly improved design that increase the life and usefulness of the files and reduce costs by avoiding breakage and economizing time and labor. These strong, lightweight Wooden Holders give perfect control of the work and are far superior to the adjustable metal type. Special screw anchors at each end make it quick and easy to change file blades.

No. BF-714 COMBINATION FILE AND HOLDER

This inexpensive General Purpose No. BF-614 File Holder and BF-514 File are the most practical and popular for body, fender and panel repair and general refinishing. It is a perfectly balanced, lightweight Wooden Filing Plane with the strength and life of a steel holder and none of its disadvantages. The curve has just enough bow to accurately control the point of filing and works expertly on any straight, crowned or contoured surface. The flat backed surface protects and cushions the teeth on the reverse side of the files. The large knuckle protecting knob and hand-fit grip handle combine to provide a fast and easy-cutting metal plane action.

No. BF-714, Combination File and Holder. NET PRICE, complete.

No. BF-514, 14" Fast Cutting File only. NET PRICE.

No. BF-614, Holder only. NET PRICE.

No. BF-712 HALF-CIRCLE CONVEX FILE AND HOLDER

This New Combination will cut, draw or push and replaces four different conventional files. Primarily built to get into concave shape on fenders, roofs, drip mouldings, beads and any grooved places where flat files won't work.

No. BF-712, File and Holder. NET PRICE, complete.

No. BF-612, Holder only. NET PRICE.

No. BF-512, Half Circle File only. NET PRICE.

No. BF-706 RADIUS FILE AND HOLDER

Here is the Combination Revel File and Holder that gets into corners and takes the grief out of very difficult filing. One side has an accurately machined radius to reach window frames against drip mouldings and smooth out small corners and ledges without damage to surrounding surfaces. Will often be found useful on smaller work where larger files do not permit the necessary stroke. This Radius File is 6" long, 1 1/8" wide at the center and 1/2" wide at each end. Teeth are milled on both sides, doubling their life and service.

No. BF-506, 6" Radius File. NET PRICE.

No. BF-606, Holder. NET PRICE.

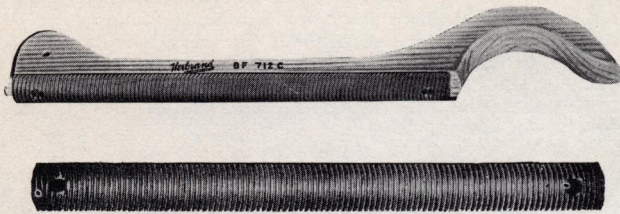
No. BF-707 F-M & S FILES AND HOLDERS

A Trio of "Shaped" Files that simplify the finishing of window reveals, around windshields, ledges, trim, fender beads, depressed panel edges, lamp ridges, offsets and many delicate contours. The holders are small in size and fashioned to fit the accurately shaped files with flat, concave or convex cutting surfaces.

File Blades		Individual Holders
BF-507F	7" Flat Revel	BF-607
BF-507M	7" Moulding Revel (concave)	BF-607
BF-507S	7" Shell Revel (convex)	BF-607

New Convex Body and Fender File

For Curved Areas on Modern Cars



These Convex, or Shell Shaped Files, are absolutely necessary to file the curved surfaces between the fender proper and hood, headlamps, short contours and restricted areas where the conventional flat type will not file without damage to adjacent parts.



HALF ROUND (Convex) BODY FILES AND HOLDERS

Half Round (convex) Files, to get into concave shapes on fenders, roofs, drip moulding, etc., where flat files won't work. Has teeth on one side only.

NO. BF-512C, 12" Half Round File, 12" long...NET PRICE, each....

NO. BF-612C, Shaped Wood Holder for above...NET PRICE, each....

NO. BF-514C, 14" Half Round File, 14" long...NET PRICE, each....

NO. BF-614C, Shaped Wood Holder for above...NET PRICE, each....

NO. BF-514N, Narrow Half Round File, 1 1/4" wide, especially designed for work on late model cars.....NET PRICE, each....

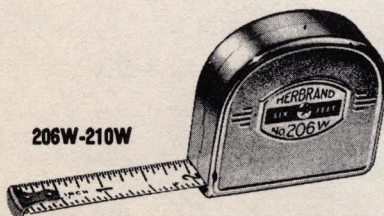
NO. BF-614N, Handle for BF-514-N File.....NET PRICE, each....



BF-314 HANDLE

Straight type (flat) 14" File Holder. NET PRICE, each.....

NEW EASY ACTION PUSH-PULL RULES 6' 8' and 10'



It's a pleasure to use this new, easy action Herbrand Push-Pull Rule. Zip Blade out quickly—it stays at desired length. Then slip it back easily into case. Balanced action assures smooth, effortless operation. Blade will not snap unexpectedly out of position... no flaying, cutting whip action.

Strong steel blade of concave design remains stiff even at full extended length... will not collapse or bend. Large numbers on white

enamel for easy reading at any position. Lightweight metal case with long-lasting chrome finish. Case is exactly 2" for use in measuring inside dimensions.

Not just another rule... a real precision tool of the highest Herbrand quality for dependability and durability.

No. 206W, 6 ft. Net.....

206WB, 6 ft. blade, Net.....

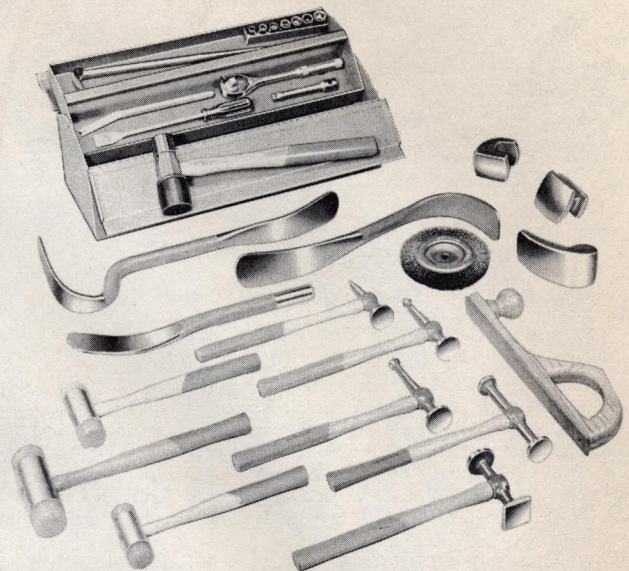
No. 208W, 8 ft. Net.....

208WB, 8 ft. blade, Net.....

No. 210W, 10 ft. Net.....

210WB, 10 ft. blade, Net.....

"Van-Chrome" Body and Fender Tool Sets



NO. BF-129 MATCHED SET (29 Pieces)

A distinctive selection of Van-Chrome Body Tools.

HAMMERS—BF1, BF2, BF4, BF5, BF8, 1144, 660, 662, 664; **SPOONS**—BF31, BF33, BF34; **DOLLY BLOCKS**—BF51, BF52, BF54; **FILE AND HOLDER**—714; 1/2" **SQUARE DRIVE SOCKETS**—6 Point—S612, S614, S616, S618, S620, S622, S624; **REVERSIBLE RATCHET**—S5; **EXTENSION**—S27; **PRY BAR**—485; **CUTTING TOOL**—497; **WIRE BRUSH**—1137; **SCRAPER**—348.

IN BOX B901 WITH TOTE TRAY.

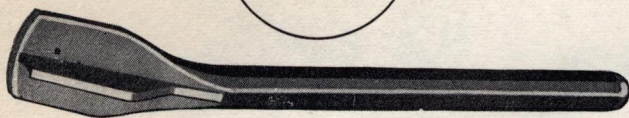
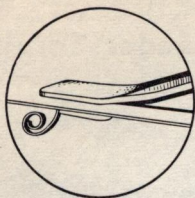


SET NO. BF-101

Balanced Assortment of 11 Important Tools

The tools in this careful selection combine to give the craftsman the well-balanced important body and fender equipment required to handle the most frequent jobs encountered daily. Contains one each of 3 Perfectly Balanced Combination Hammers, Nos. BF-2, BF-5, and BF-8; 3 Important Anvil Blocks, Nos. BF-51, BF-52 and BF-54; 3 Modern Design Bumping and Pry Spoons, Nos. BF-31, BF-33 and BF-34; File Holder BF-614; 14" Flexible File BF-514. Total of 12 pieces. Weight, tools only, 24 lbs. Weight of special designed metal box, 17 lbs.

NET PRICE, complete in bulk.



Panel Cutting Tool No. 72B

For Cutting Out Tops, Sides and Other Body Parts

Cuts to a Clean, Straight, Even Edge

As necessary to the body repair man as a can opener is to the housewife, this tool cuts out damaged body sections as clean as a hound's tooth. Entire tops, sides or other parts necessary for body repair are cut out cleanly and evenly, insuring a master job of welding in new panels.

The head is placed at the correct angle for clean, even and efficient cutting and to provide ample knuckle clearance. The tool is designed for perfect visibility under all conditions.

When used for the work intended, the Alloy Steel cutter will deliver long, satisfactory service, but it is not guaranteed.

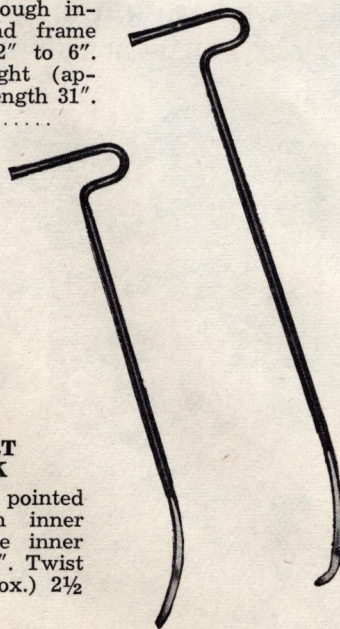
Cuts through body steel like a knife and is also used to cut sheet metal up to a body metal gauge. With a sharp hammer blow drive the Cutter through the metal at any desired starting point, then it easily guided in any direction. Made from Octagon Alloy Steel. Length 9 1/4". Weight 10 ozs. Finished in satin nickel.

NO. 72B, Panel Cutting Tool...NET PRICE, each.....

BF-1107 LONG CURVED PICK

Long and pointed. Provides maximum reach through inner construction and frame with clearances of 2" to 6". Twist or pry. Weight (approx.) 3 lbs. 6 oz. Length 31".

NET PRICE, each.....



BF-1106—SHORT CURVED PICK

Medium length and pointed for working through inner construction or frame inner clearances of 2" to 6". Twist or pry. Weight (approx.) 2 1/2 lbs. Length, 26 1/2".

NET PRICE, each.....

The picks illustrated are the newest members in the Herbrand family of body and fender repair tools. Their use makes the metalman's job far easier, cutting repair time by as much as 40%. They are designed primarily for inner construction and outer panels where clearance is from 2" to 6". They may be employed for either twisting or prying. Drop forged and heat treated with polished working faces.

Herbrand Nolvex Solder Paddles

Expertly shaped—made from best grade Hard Maple

NOLVEX Solder Paddles are made in three shapes as illustrated, each shape for a particular application, to simplify the spreading and shaping of heated solder used in filling dents in automobile bodies and fenders, and to prepare the filled section for filing and finishing.

These paddles are made from hard maple—the best wood for this purpose.

Paddles should be dipped in linseed oil, or liberally covered with mutton tallow before using. This will prevent burning, and will assure smooth, easy shaping of the heated solder, and minimize the amount of filing.

No. 1 PADDLE

**Narrow Convex Blade
5 X 1 IN.**



NOLVEX No. BF-123 Set, contains one each of the No. 1, No. 2 and No. 3 Paddles.

DEALER NET PRICE, per set.....

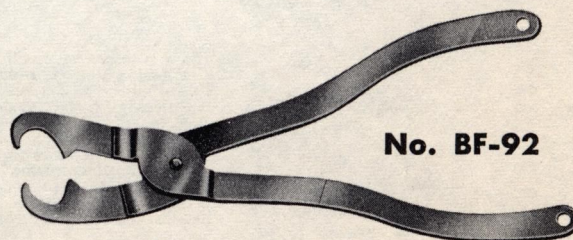
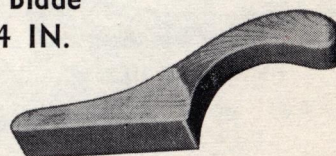
No. 2 PADDLE

**Narrow Flat Blade
5 X 1 IN.**



No. 3 PADDLE

**Wide Flat Blade
4 X 1-3/4 IN.**

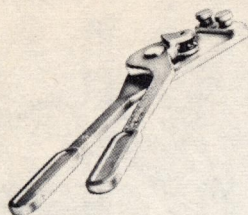


No. BF-92

**No. BF-92 Improved FORD & GENERAL
MOTORS car door handle Spring
Remover Tool**

Improved new thin jaws means easier access to the spring clip behind the door handle — prevents damage to the upholstery — does the job faster. Fits all Ford cars since 1951 and all G.M. Cars since 1933. Pliers are 7 3/4" long — made of finest alloy steel.

AUTOMATIC TRANSMISSION TOOLS – HYDRAMATIC, DYNAFLOW, POWER GLIDE, FORD-OMATIC, MERCOMATIC, POWERFLITE



AT-5

**UNIVERSAL THROTTLE
ARM BENDER**

For all 1946-55 HYDRAMATIC transmissions except 1955 Pontiac.

AT-6

**HEX ADAPTOR FOR
53-55 CHEVROLETS**

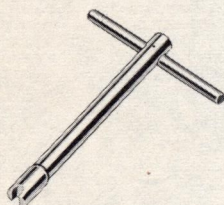
Easily attaches to AT-51 for adjustment of 1953-55 Chevrolet transmissions.



AT-7

**THROTTLE VALVE STOP
BENDING TOOL**

For all 1951-57 FORDOMATIC and MERCOMATIC transmissions. Used to adjust O setting of the throttle valve stop.



AT-20

**HYDRAMATIC REAR BAND
ADJUSTMENT GAUGE**

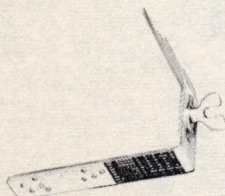
For internal adjustment of rear bands (oil pan removed), this snap-type Gauge assures accurate adjustment meeting manufacturers' specifications.



AT-21

**UNIVERSAL THROTTLE
ARM GAUGE**

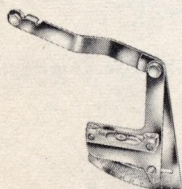
For all 1946-55 HYDRAMATIC Transmissions. Gauge is used during adjustment of throttle linkage to check outer throttle arm.



AT-22

**THROTTLE LEVER
PROTRACTOR GAUGE**

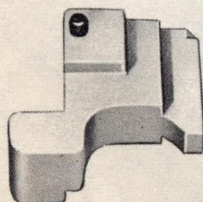
For all 1951-56 FORDOMATIC and MERCOMATIC transmissions.



AT-23

THROTTLE LINKAGE GAUGE

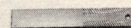
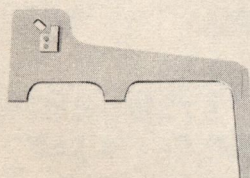
For 1954 FORDOMATIC transmissions. Used to position throttle linkage for accurate adjustment.



AT-24

THROTTLE LINKAGE GAUGE

For 1951-52-53 FORDOMATIC transmissions. Used to position throttle linkage for accurate adjustment.



AT-25

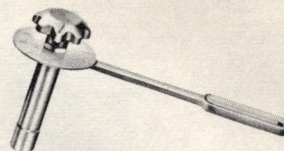
GAUGE

Herbrand Gauge AT-25 should be used with the Front Band Adjusting Tool.

AT-50

**HYDRAMATIC BAND
ADJUSTING TOOL**

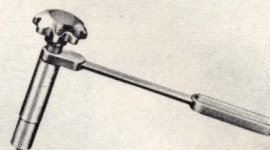
Especially designed for external adjustment of front and rear bands on Hydramatic transmissions.



AT-51

ADJUSTING TOOL

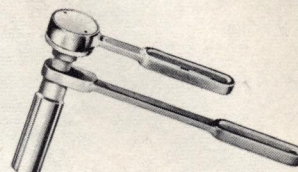
For Dynaflo band adjustments on all 1948-1955 Buicks, and Powerglide band adjustments on all 1950-1953 Chevrolets.



AT-52

**REAR BAND ADJUSTING
TOOL**

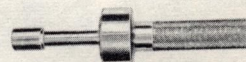
For all 1951-57 FORDOMATIC and MERCOMATIC transmissions.



AT-53

**FRONT BAND ADJUSTING
TOOL**

For all 1951-57 FORDOMATIC and MERCOMATIC transmissions.



AT-54

**HYDRAMATIC FRONT BAND
ADJUSTING TOOL**

This accurate Tool is designed for internal adjustment (transmission oil pan removed) of front bands on Hydramatic transmissions.



AT-55

**REVERSE BAND ADJUSTING
TOOL**

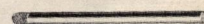
For all POWERFLITE transmissions. This time-saving Adjustment Tool can be used with transmission in or out of car.



AT-56

**KICKDOWN BAND ADJUSTING
TOOL**

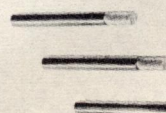
For all POWERFLITE transmissions. Tool may be used with transmission in or out of car.



AT-71

**THROTTLE LINKAGE
CONTROL PIN**

For 1955-57 FORDOMATIC and 1954-57 MERCOMATIC transmissions.



AT-70

LINKAGE PINS

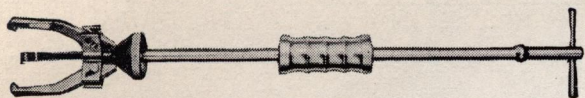
For most HYDRAMATIC transmissions.

SET NO. DB-21 has one each of the above tools on a display board (a complete set).

SET NO. TBF-1 (Fordomatic set) has one of No. AT-52, AT-53, AT-22, AT-23, AT-24, AT-71 and AT-7 on a display board.

SET NO. TBG-2 (Hydramatic set) has one each of No. AT-5, AT-6, AT-20, AT-21, AT-50, AT-51, AT-54 and AT-70 on a display board.

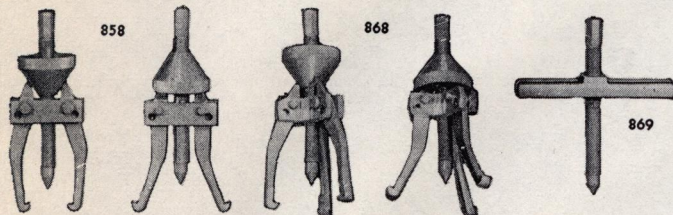
FOR AUTOMATIC TRANSMISSION OIL PRESSURE GAUGE SEE PAGE 70



ALL PURPOSE Slide Hammer Pullers

NO. 866, 24" Slide Hammer shown above has a 3-way yoke, reversible for inside or outside pulling. The fully interchangeable parts make up a wide range of 2-way or 3-way pullers with jaws reversible for inside or outside pulling. The slide hammer may be removed and forcing screw 868S added to make up screw type pullers as shown below. It makes available a very wide range of work and is limited only by the ingenuity of the user. It is a modern pulling tool of many uses.

NO. 866, as shown; all alloy steel, drop forged for strength and safety, Capacity 0-5" O.D., 1¼"-6" I.D.
NET PRICE, each.....

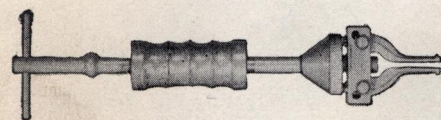


NO. 858 Includes 866B, 2-866J, 866N, 2-866P and 868S.

NO. 868 Includes 3-866J, 866N, 3-866P, 866Y and 868S.

NO. 869 Includes 866C and 868S.

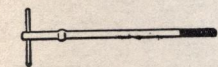
Note reversed position of adjusting cone 866N for inside or outside pulling.



NO. 867, 14" Pilot Bearing Puller. Removes flywheel pilot bearings, motor and generator bearings and blind recessed bearings. Capacity ½" to 1½".

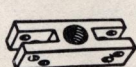
Mechanics already having 866 slide hammer need add only 866B and two 867J to make a pilot bearing puller.

These interchangeable parts make up the slide hammers and screw pullers shown on this page:



866S—T-handle puller shaft 24" long with forged no-pinch safety stop.

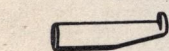
867S—T-handle puller shaft, 14½" long with forged no-pinch safety stop.



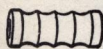
866B—2-way cross arm, 2½" long, 2 pair of jaw pivot holes provide each arm parallel jaw alignment with greater strength.



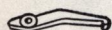
866E—Ball tip expander, fits end of 866S or 867S for small internal pulling. Easy adjustment with a turn of the handle.



866G—Single jaw 2½" long, for pulling grease retainers, bushings, brake work, etc.



866H—Sliding hammer, with form fit grip. 4½" long, weight 2½ lbs. each.



866J—Reversible puller jaws 5" long, drop forged and accurately machined for positive adjustment.



866N—Knurled reversible adjusting cone, 2¼" diameter.



866P—Push pull pin to hold jaws in place. Lock ball action with knurled head.



866C—Deep slotted cap screw cross arm, 6" long. Use in pulling gears, pulleys, etc.



866Y—3-way yoke for 3-jaw pulling. Two staggered holes for each arm giving greater range and adaptability.



868S—Hex head puller screw, 6¾" long with floating centering tip.

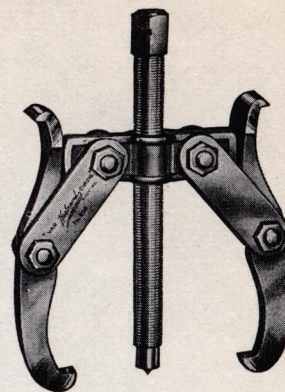


868T—Interchangeable centering tip for 868S screw, push pull design.

"Van-Chrome" Standard Gear Pullers

Non-Slipping Automatic Grips

Drop Forged from Chrome Vanadium Steel



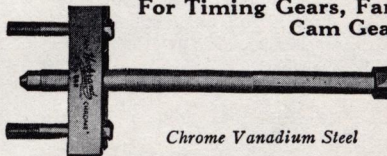
A Gear Puller with automatic, non-slip grip has long been sought by mechanics. The patented, positive gripping jaws absolutely prevent slipping, because the harder the pull the tighter the grip. Strong, thin jaws permit working in close quarters and no adjustments or extra equipment are required to hold them firmly in place. Light in weight, yet the strongest gear pullers made. The double-end jaws have wide, thin hooks on one end and narrow, thick hooks on the other, adapting them to a much wider range of work without the necessity of buying extra jaws. They will handle all small and large gears, pinions, ball races and the like. Every part is drop forged from select Chrome Vanadium Steel and carefully heat treated to a definite standard of strength to insure the utmost endurance under the terrific strains to which gear pullers are subjected. Available in two sizes required to cover all types of work. Finished in triple chrome plate with ends brightly polished.

NO. 830-R, length of jaws under cross arm 3½". Spread of jaws 6". Size of screw ½" by 6" with hexagon head. Weight 1 lb. 10 ozs.

NET PRICE, each.....

Timing Gear Puller No. 862R

For Timing Gears, Fan Pulleys, Balancers, Cam Gears, etc.



Chrome Vanadium Steel

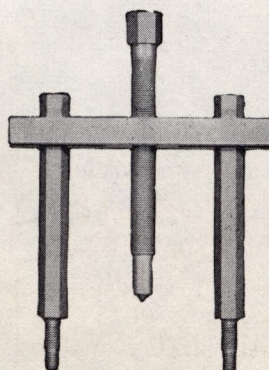
A complete moderately priced puller for handling a wide variety of difficult jobs. Essential for pulling timing gears, cam gears, fan pulleys, balancers, Hudson-Essex main bearings and many other jobs. Pulls Chevrolet fan-pulleys with harmonic balancers, Buick crank-shaft gears and all others which are tapped for cap screws. Untapped gears may be tapped to the proper size and removed easily with this tool.

The slotted Chrome Vanadium block is equipped with two ¾" U.S.S. heat treated cap screws, which may be removed and replaced with other sizes if necessary. Double plated in satin. No. 861A is the above puller, less forcing screws.

NO. 862-3L, forcing screw only. Length 11½".

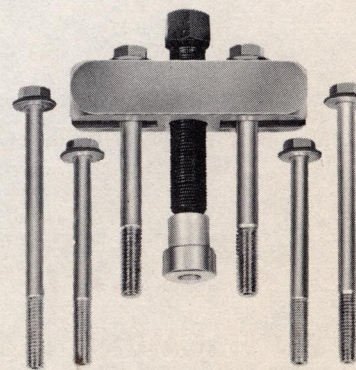
NET PRICE, each.....

NO. 862R is the above puller complete with No. 861S forcing screw.
NET PRICE, each.....



TIMING GEAR PULLER NO. 861

For removing timing gears, fan pulleys, balancers, cam gears, etc. 6½" cross-arm, side screws are 6" long and dual threaded ⅝"-16 and ⅝"-18. Bright cadmium plate, weight 2½ lbs.

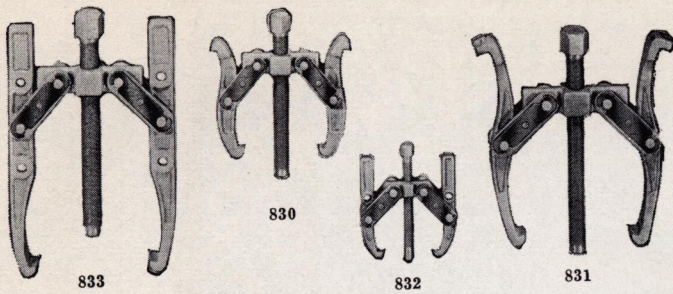


STEERING WHEEL PULLER NO. 835

A 2-way puller with capacity to handle steering wheels tapped on 3½" centers, maximum. Floating tip on forcing screw prevents damage to steering tube. Includes 3 pairs of 2½" long side screws, ⅝"-18, ⅝"-24 and ⅝"-16. Bright cadmium plate; weight 1½ lbs.

"QUICK-LOCK" PULLERS

INSTANTLY ADJUSTABLE AND REVERSIBLE



2 JAW PULLERS

NO. 830, 6" reversible jaw puller, 3½" reach, 6" spread. Designed for maximum safety and utility. Has wide and narrow face jaws for variety of applications. Buttress threaded forcing screw. Weight 1½ lbs.
NET PRICE, each.....

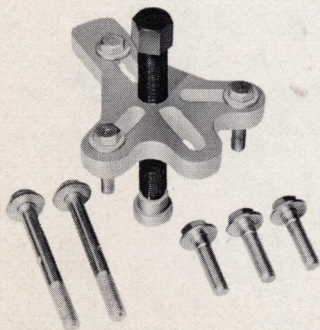
NO. 831, 8" reversible jaw puller, 5½" reach, 8" spread. Heavy duty type for automotive and industrial uses. Has slotted jaws for cap screw pulling of tapped gears and pulleys. Forcing screw has buttress threads. Weight 3¼ lbs.
NET PRICE, each.....

NO. 832, 4" adjustable straight jaw puller, 3½" reach, 4" spread. For removing magneto and generator bearings and gears. Ideal for electric motor and refrigeration applications and all light and medium duty pulling. Weight ¾ lbs.
NET PRICE, each.....

NO. 833, 10" adjustable straight jaw puller, 9" reach, 10" spread. Adjustable effective reach—3 positions—makes this a multi-use tool for fly wheel, gear and pulley removal. Buttress threads on forcing screw. Weight 4¼ lbs.
NET WEIGHT, each.....

QUICK LOCK FEATURE

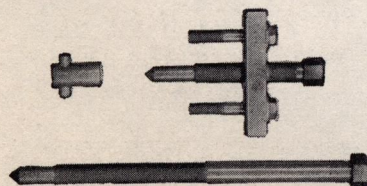
Spring steel locking arm slips instantly into grooves in internal link pin, locking link securely. Jaws reversed or adjusted at a "flick of the finger". No nuts, bolts or pins to lose or misplace.



No. 863 HARMONIC BALANCER PULLER

This puller is specifically designed to pull harmonic balancer flanges, pulleys and tapped gears in a variety of sizes. The puller is of the yoke design with 4 1½" slots to increase its versatility and for specific use on Chevrolet from 1959 which requires a 3 screw puller. 5½" forcing screw has floating tip for positive centering. Three sets of cap screws are supplied to increase range of utility. Cap screw dimensions are as follows: One set of two ¾" p 16 x ¾", one set of three ¾"-24 x 1¼" and one set of three ¾"-24 x 1¼". Bright finish. Weight 1¼ lbs.

NO. 862 HARMONIC BALANCER PULLER

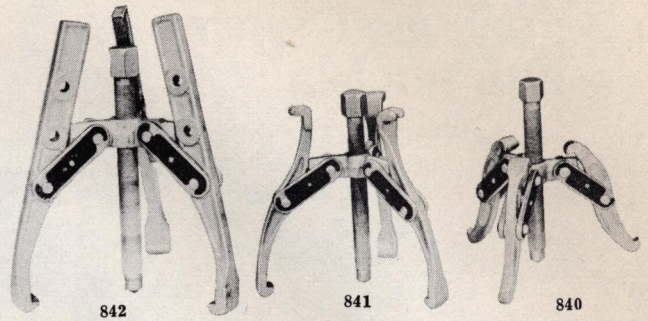


A two-way puller for removing any tapped gear, pulley or balancer. Includes 4" cross-arm, 4¼" universal forcing screw and driver which fits Chevrolet crank jaws to make a re-installing tool of puller assembly. Bright cadmium plate; weight 2½ lbs.

NET PRICE, each.....

NO. 862-3L, forcing screw only

NON-SLIPPING AUTOMATIC GRIPS



3 JAW PULLERS

These manually operated, reversible jaw pullers are now available in 6", 8", or 10" capacity and can be converted from (3) jaw to (2) jaw work by changing the yoke. Excellent tools for pulling fly wheels, pulleys, bearings and gears. All have slotted reversible jaws—"Quick-Lock" linkage permits the adjustment, reversal or removal of puller jaws in seconds. Heavy duty applications—Forcing screw has buttress threads—all puller forgings are special alloy steel with cadmium plate finish.

No. 840—(3) Jaw—6" Puller—3½" reach, 6" spread—wt. one only—2½ lbs.

No. 841—(3) Jaw—8" Puller—5½" reach, 8" spread—wt. one only—5 lbs.

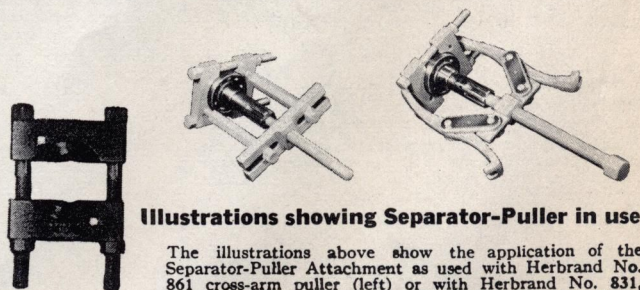
No. 842—(3) Jaw—10" Puller—9" reach, 10" spread (has 3 positions for multipurpose use) wt. one only — 6½ lbs.

"QUICK-LOCK" LINK



QUICK LOCK FEATURE

The unique "Quick-Lock" linkage permits the adjustment, reversal or removal of puller jaws in seconds. A slight turn of the blued flat spring member releases the 2-piece link for quick, easy jaw adjustment. A turn of the lock in the opposite direction and the puller is ready for use. This feature reduces the number of parts to 8, instead of the 12 or 16 parts found in old-fashioned pullers. The buttress threads are ¾" stronger than the conventional V-type and the puller forgings are special alloy steel with cadmium plate finish. These improved pullers will set the pace for years to come.



Illustrations showing Separator-Puller in use

NO. 872

BEARING SEPARATOR—PULLER

NO. 872

This attachment is designed for removing generator gears, bearings, bearing cones and similar parts where these parts are placed so close to a housing or other obstruction that a separator-puller is required. The knife edges are flush on one side to get behind the work for easy pulling. Use with Herbrand "Quick-Lock" jaw pullers or cross-arm pullers as shown above. Capacity up to 2½" O.D. Overall dimensions, 3½" x 5¼", weight 11½ lbs.
NET PRICE, each.....

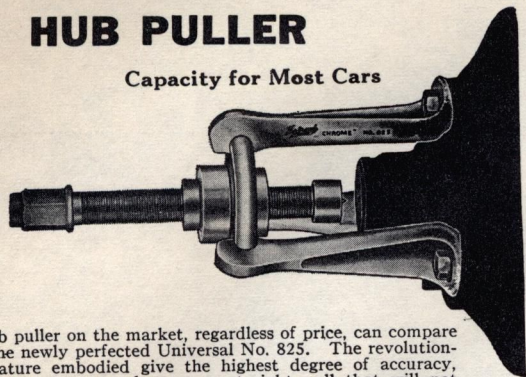
BEARING SEPARATOR

NO. 873

No. 873—Bearing Separator Puller Attachment — Same basic features found in 872 puller except has larger capacity up to 4¼". Removes generator gears, bearings, etc. Use with Herbrand 2 or 3 jaw pullers or cross-arm pullers Capacity 4¼", wt.— one only—6 lbs

UNIVERSAL WHEEL HUB PULLER

Capacity for Most Cars



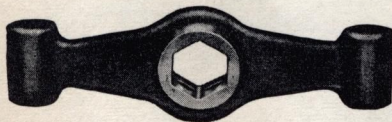
No hub puller on the market, regardless of price, can compare with the newly perfected Universal No. 825. The revolutionary feature embodied give the highest degree of accuracy, tremendous power and range, a straight pull that will not bend or distort wheel lugs, a sliding bearing in which the driving screw rides, and a floating cap on the screw end. The sturdy alloy steel screw works in a sliding bearing, so that when it is necessary to bump the end of the screw it positively cannot injure the threads, as is often the case where the screw works in the solid hub of other type pullers. The fine threading of the screw gives it a powerful thrust and will stand tremendous punishment, because it is scientifically heat treated to exacting specifications. Another unique feature, not found on other pullers, is the floating cap on the screw end which centers on the axle and avoids injury to either axle or screw. These distinctive Herbrand features improve the tool so remarkably that it is immediately obvious to the mechanic that no injury can be transmitted to any of the inner parts of the wheel, axle or differential.

The simplest puller made yet covering the widest range of service without the use of any trick attachments. Complete in itself—requires no taking apart—nothing to assemble—and combines the best features of both puller and knock-off. The sliding arms are readily adjustable and quickly adapted to any hub, regardless of the number of wheel studs used and where the bolt circle does not exceed 7 1/4". Thoroughly tested in laboratory and on all makes of cars, it exerts a direct and tremendous pull without resorting to pounding or hammering. Only Herbrand provides the Universal Hub Puller with sliding bearing and floating cap.

The toughest, most stubborn hub responds quickly to the persuasive power of the Universal Hub Puller.

No. 825, 7 1/2" expansion. Weight 9 lbs. 10 ozs.
NET PRICE, each.....

No. 825-5, Extra Drop Forged Alloy Steel Puller Arms for No. 825 Puller. Chrome plated.
NET PRICE, each.....



DRIVE HANDLE FOR HUB PULLERS NO. 825H
Notched for Lock-on Feature
Drop Forged and Heat Treated

This handle will fit the No. 825 or any wheel puller which has a 1 1/8" hex driving head. Designed with heavy striking faces.

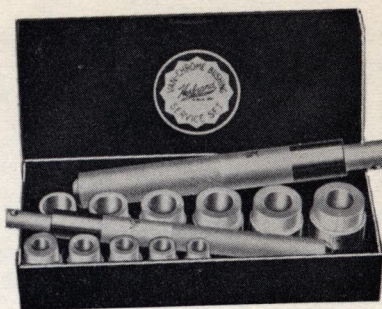
No. 825H, chrome plated. Length 8". Weight 2 lbs.
NET PRICE, each.....



"VAN-CHROME" WHEEL PULLER ADAPTOR NO. 825-A
For Late Models Ford V-8

This special drop forged Adaptor will work with any stud type wheel puller for service on 1936 and later Ford V-8 hubs. Simply space two pulling arms on any stud wheel puller to engage the bolts of the Adaptor; slide the entire assembly into the groove in the hub, and turn up the forcing screw of the wheel puller. This applies a straight, steady pull, eliminating danger to the operator and damage to parts.

No. 825-A Adaptor converts any stud type wheel puller for service on 1936 and later Ford V-8 hubs.
NET PRICE, each.....



Bushing Service Tools

A Size for Every Need—Stress Proof Steel

Chrome Vanadium Steel

The new thin bushings used so extensively on modern cars are difficult to remove without the proper tools. Sixteen interchangeable Step Collars and three Driving Handles cover the complete range of sizes for the large variety of bushings encountered on present-day cars, trucks, buses, tractors and electric motors.

The three smaller Collars and the four 3/8" cover a range from 1/2" to 3/4" inside diameter. The eight large Collars to fit the 5/8" service Driving Handle vary from 1 1/4" to 1 3/4" inside diameter. Included in these sets is a size for nearly every bushing found on generators, starters, distributors, transmissions, pistons, connecting rods, tie rods, spindles, king pins, springs, steering gears, water pumps, etc.

SMALL 1/4" SERVICE STEP COLLARS

Catalogue No.	Inside Diameter Bushing	Outside Diameter Bushing	Dealer Net Price Each
548	3/8	7/16	
549	7/16	1/2	
552	1/2	3/4	

No. 551S, Driving Handle 1/4" service for above length 5".
NET PRICE, each

3/8" SERVICE STEP COLLARS

Catalogue No.	Inside Diameter Bushing	Outside Diameter Bushing	Dealer Net Price Each
553	3/8	3/8	
553 1/2	39/64 } 5/8 } 7/16 }	43/64 } 1 1/16 } 1 1/8 }	
554	5/8	3/4	
555	11/16	13/16	
556	47/64 } 3/4 } 25/32 }	55/64 } 7/8 } 27/32 }	
*557			

*Fits Chevrolet King Pins.

No. 551, Driving Handle, 3/8" service, for above collars Length 6".
NET PRICE, each

5/8" SERVICE STEP COLLARS

Catalogue No.	Inside Diameter Bushing	Outside Diameter Bushing	Dealer Net Price Each
562	1 1/16	1 3/16	
563	55/64 } 7/8 }	63/64 }	
564	15/16	1 1/8	
565	1	1 1/8	
566	1 1/16	1 3/8	
567	1 1/8	1 1/2	
568	1 3/8	1 5/8	
569	1 1/4	1 3/4	

No. 561, Driving Handle, 5/8" service, for above Collars. Length 7".
NET PRICE, each

SET NO. 570, a complete assortment of 16 Step Collars and 3 Driving Handles listed above.
NET PRICE, complete, in fibre box.

SET NO. 570 1/2, a complete assortment of 16 Step Collars and 3 Driving Handles listed above.
NET PRICE, complete, in metal box.



"Van-Chrome" Stud Setter and Extractor No. 820

Ratchet Action—Revolving Head
Capacity $\frac{1}{4}$ " to $\frac{3}{4}$ "

Chrome Alloy Steel—Nickel Plated

New—modern—improved and scientifically engineered to take a positive, biting grip on studs and remove them with little effort, without the hazard of slipping. This compact tool handles all studs from $\frac{1}{4}$ " to $\frac{3}{4}$ ", covering a range of service including all passenger cars and practically all trucks. Improved engineering and the use of super-quality steel eliminate bulk and clumsiness, permitting it to engage and remove studs which are inaccessible to other tools. Close to the dash rear studs are easy. It operates on the gear principle for gripping. The self-adjusting, eccentric roller forms a wedging action against the stud, develops tremendous power, cannot slip, will not lock on the job and releases quickly when pressure is removed. Built to avoid the danger of snapping off or mutilating studs.

The driving stud on top of the tool carries a $\frac{1}{2}$ " square drive screw connection for use with any ratchet handle, flex handle or standard socket handle.

NO. 820, height $2\frac{1}{2}$ ", diameter 2". Chrome plated.
NET PRICE, each.....



STUDMASTER

For Setting or Removing Studs

Ideal for use on Impact and Power Tools

Puts a temporary head on studs for setting or removing without damaging the threads. Works on long, short or broken studs. Tool consists of only 2 parts—the sleeve and locking screw. No cams, jaws or intricate parts to get out of order.

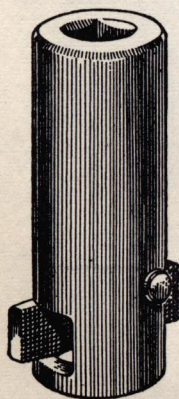
The Studmaster removes or sets studs in close quarters—average size requires only $\frac{1}{4}$ " clearance. Ideal on cylinder heads, manifolds, fuel pumps, etc. Three sizes fit practically all studs found on the average car.

REMOVING STUD—To remove studs turn sleeve counter-clockwise with end wrench or socket.

SETTING STUD—To set studs turn locking screw clockwise with end wrench or socket.
NO. 823-12— $\frac{3}{8}$ " NO. 823-14— $\frac{7}{16}$ " NO. 823-16— $\frac{1}{2}$ "

SET NO. 823-3 contains 1 each of the above in Cardboard box.

No. 821 $\frac{1}{2}$ " Drive Stud Puller



The 821 is a compact tool and does a neat job in more ways than one. It is only $1\frac{1}{4}$ " in diameter yet will handle all sizes of automobile studs. The single wedge is made of the toughest alloy steel and fits into a square hole in the puller—no twist or slip is possible.

Grips firmly close to the work. Designed to work easily on close-together studs, such as on the new Ford. The $\frac{1}{2}$ " drive is adaptable to both power and hand tool use. A spring tension pin holds the wedge in the body of the puller when not in use.

The 821 Stud Puller is made of triple alloy steel and strengthened by exacting heat treatment. Beautifully finished in chrome. Wedge is of toughest alloy steel and is precision made to fit perfectly into square hole in puller. Gripping face is double broached. Herbrand designed with an unqualified Herbrand guarantee to serve you better and longer.

MECHANICS NET.....

NO. XX5 EXTRACTOR SET

(5 Pieces)

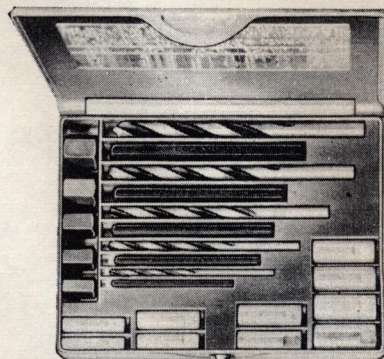
SET NO. XX-5, 1 each of Extractors Nos. 1E, 2E, 3E, 4E and 5E for screw diameters $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{7}{8}$ ", and $\frac{1}{2}$ ", & $\frac{9}{16}$ " respectively.
NET PRICE, in Vinyl roll

"Van-Chrome" LonGrip Screw and Stud Extractors Straight Flutes—No Taper

A New, Positive Method of Screw Extraction—
Saves Dismantling, Shutdowns and Costly Delay

Revolutionizing old methods of screw and stud extraction, these new LonGrips make obsolete the old tapered type. They are the only Straight Fluted Extractors made and the only type that positively engage broken threaded ends their entire length. When inserted they key themselves into the shell and work like an internal socket wrench and cannot turn into or out of the broken ends. There is no damaging of costly parts or threads, no wedging, no reaming or shell spreading and no failures. The LonGrip straight fluted principle eliminates all guess-work and hazards, because guides are used for accurate centering at depths. Drill clear through a broken off screw, bolt or stud end, drive in a LonGrip Straight Fluted Extractor and turn it out easily and safely. These Straight Fluted Extractors provide the only safe and efficient means of removing broken threaded ends of studs and screws that are deep below the surface, and positively eliminate dismantling motors, machinery or parts to expose stud ends.

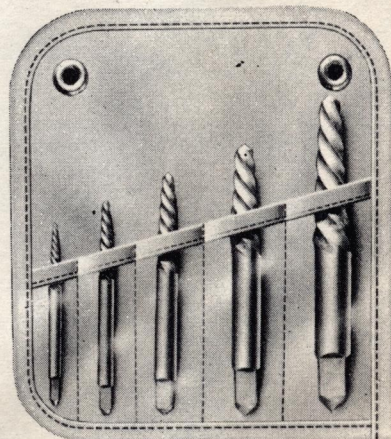
The use of LonGrips nullifies all the costly delays and shutdowns, damage to expensive parts, and the time-consuming aggravation of unsuccessful performance. Every mechanic, maintenance shop and factory can be equipped with "Van-Chrome" LonGrip Straight Fluted, Full Range Extractor Sets, because the cost is small and a single use will pay for them in time and labor saved.



NO. XX10 EXTRACTOR SET (20 Pieces)

SET NO. XX-10 is a popular assortment of standard length Extractors, Drills and Guides for $\frac{1}{4}$ " to $\frac{1}{2}$ " screws or studs suitable for depth extraction up to 1". Contents: one each of 5 Extractors, Nos. 1E to 5E inclusive, one each of 5 Special Drills, Nos. 1D to 5D inclusive; one each of 10 Drill Guides. Total of 21 pieces, fitted in a die cast, metal box. Weight $2\frac{1}{4}$ lbs.

NET PRICE, complete.....

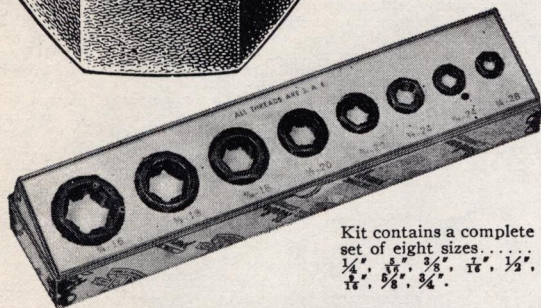
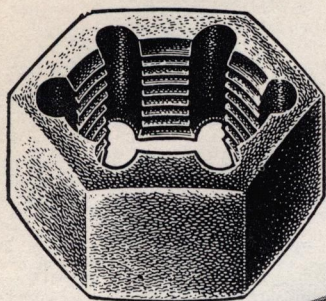


NO. X-5R EXTRACTOR SET (5 Pieces)

Popular twist-type screw extractors available in five sizes for complete coverage as listed below. Simply drill hole in broken screw or stud and insert extractor with left-hand turn.

Extractor No.	For Stud Size	Use Drill	Length
E X 1	$\frac{1}{8}$ — $\frac{3}{16}$	$\frac{1}{16}$	2 $\frac{1}{2}$ "
E X 2	$\frac{3}{16}$ — $\frac{5}{16}$	$\frac{1}{8}$	2 $\frac{1}{2}$ "
E X 3	$\frac{5}{16}$ — $\frac{7}{16}$	$\frac{3}{16}$	2 $\frac{1}{2}$ "
E X 4	$\frac{7}{16}$ — $\frac{9}{16}$	$\frac{1}{4}$	3 $\frac{1}{4}$ "
E X 5	$\frac{9}{16}$ — $\frac{1}{2}$	$\frac{5}{16}$	3 $\frac{3}{4}$ "

SET NO. X5R, includes complete range of 5 sizes listed above.
NET PRICE, in Vinyl roll.....



Kit contains a complete set of eight sizes.
1/4", 5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4", 1 1/2".

THREAD RESTORER DIE SETS

These new dies restore threads quickly on any battered, damaged or rusted bolt, stud or shaft . . . just run on and off and thread is restored. Each die is the same size as the matching nut. No special holder or tool required . . . uses regular wrench or socket.

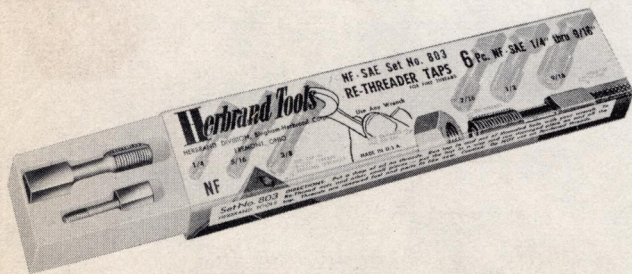
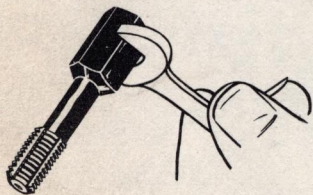
The Herbrand Thread Restorer is **not** oversize—it chases out the damaged thread but does not recut the good thread.

Comes complete in attractive kits of 8 sizes. They are accurately machined, heat treated and case-hardened to do a perfect job.

No. 806 set contains eight U.S.S. sizes: 1/4"-20, 5/8"-18, 3/4"-16, 7/8"-14, 1"-13, 1 1/8"-12, 1 1/4"-11 and 1 1/2"-10.

No. 808 set contains eight S.A.E. sizes: 1/4"-28, 5/8"-24, 3/4"-24, 7/8"-20, 1"-20, 1 1/8"-18, 1 1/4"-18 and 1 1/2"-16.

DEALER NET, each.



RE-THREADER TAP SETS

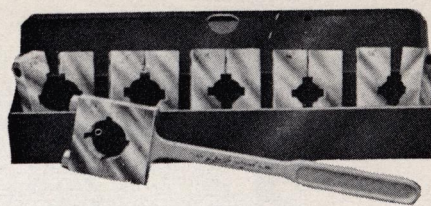
Restore damaged, corroded or rusted threads instantly and accurately. Herbrand hex-end taps speed up repair work—chase out threaded holes on the spot without costly tear-down. Easily operated with open end or box wrench with or without flexible socket or ratchet. Taps are case hardened for extra long life.

No. 803B Set of 6 NF-SAE re-threader taps.

No. 804B Set of 6 NC-USS re-threader taps.

(Sizes 1/4", 5/8", 3/4", 7/8", 1", 1 1/8" marked on each tap)

Both sets come in plastic sleeve type container for easy storage in tool kit drawer.



SET NO. 880 1/2

Pat.
Applied
For

Rethreading Tools

Interchangeable Unit Dies 6 Popular Sized Cutters

Chrome Vanadium Steel—Attractively Nickel Plated

Another Herbrand contribution to the economy and efficiency of mechanics. A separate Handle in which any size Rethreading Die may be quickly inserted. The most practical idea yet evolved for a Rethreading Tool. With the old type rethreader, in which several dies are cut immovably in one tool, the mechanic often pays for die sizes for which he has no use—also the most frequently used sizes cannot be replaced when worn or damaged without buying an entire new costly outfit. With the Herbrand Rethreading Tool it is only necessary to purchase the Handle and separate die sizes best suited to the individual need. Additional interchangeable dies may be purchased separately as conditions demand.

The "Van-Chrome" Rethreading Tool is the most modern for straightening and restoring battered or deformed threads which have become damaged through pounding or cross threading on axle shafts, cam shafts, transmission shafts, drive shafts, bolts, studs and the like.

The specially designed Handle is drop forged from Chrome Vanadium Steel, provides the greatest possible speed and is light in weight for ease of handling. The simple removal of two bolts permits the insertion of the proper size die. All dies are interchangeable on handle.

It performs a perfect job with a minimum of time and effort. The die should be placed on the shaft back of the damaged threads and backed off, making two or three passes, tightening the die slightly each time. The final pass should be made with the bolts securely tightened, which will size the threads perfectly.

Catalog No.	Size of Die	Threads to Inch	Net Price Each
882	5/8"	18 SAE	
883	3/4"	16 SAE	
884	7/8"	14 SAE	
885	1"	14 SAE	
886	1 1/8"	12 SAE	
887	1 1/4"	12 SAE	

NO. 881, Handle only. Length 10 1/2". Weight 9 ozs.

NET PRICE, complete with bolts, each.

SET NO. 880 1/2 includes Handle No. 881 and 6 Interchangeable Dies, Nos. 882, 883, 884, 885, 886, 887, listed above. Weight 3 lbs. 12 ozs.

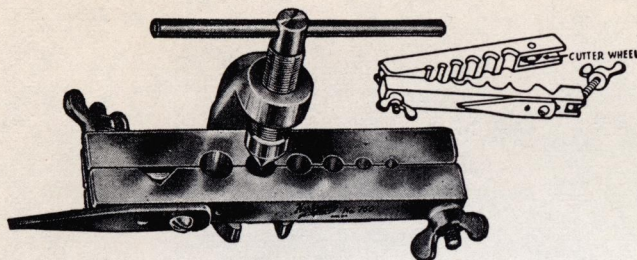
NET PRICE, complete, in metal box.



THREAD RESTORER FILES

A few strokes of these special cutters will restore battered or damaged threads to original shape. Use like a file. Eight thread sizes on each tool.

NO. 809 for 9, 12, 16, 20, 27 and 28 threads to the inch.
NO. 811 for 11, 12, 13, 14, 16, 18, 20 and 24 threads to the inch
Length 10".



**COMBINATION TUBE CUTTER, FLARING TOOL
AND REAMER NO. 750 IMPROVED DESIGN**

Range from $\frac{3}{16}$ " to $\frac{5}{8}$ "

Three Tools in One Knurled Dies Prevent Tube Slipping

Combined in one tool, Herbrand has developed the most modern, convenient method for repair or replacement work on all popular sizes of copper, brass, aluminum or similar tubing used on gas, oil and other feed lines. This practical tool does the perfect job required for tight-fitting connections and leak-proof joints and works on tubing without removing it from the car.

The cutter wheel is made from exceptionally strong steel with a keen, thin cutting edge. It easily cuts all sizes of tubing from $\frac{3}{16}$ " to $\frac{1}{2}$ " without flattening or distorting the tubing, and eliminates the possibility of filings or grit dropping into the feed lines.

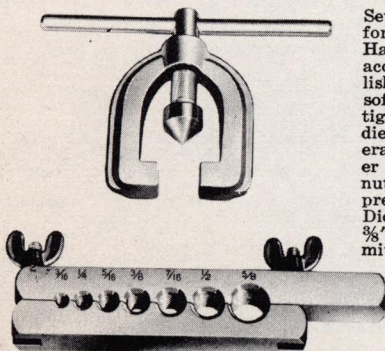
Six flaring dies which are knurled to prevent slipping are included in this tool to give all popular sizes of tubing and accurate flare and taper that insures a perfect, tight joint. It conserves labor and time and does a speedy job without the aid of loose dies or vise.

The V-shaped section, which is adjustable, acts as a tube reamer.

NO. 750, capacity $\frac{3}{16}$ " to $\frac{5}{8}$ ". Length $5\frac{1}{2}$ ".

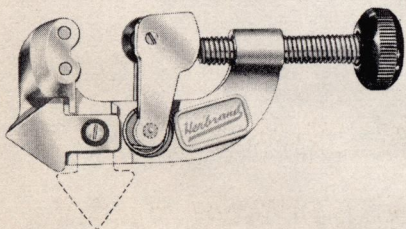
NET PRICE, complete.....
Extra Cutter Wheels.....

**NO. 750T TUBE FLARER
RANGE $\frac{3}{16}$ " TO $\frac{5}{8}$ "**



Seven flaring dies provide for all popular size tubing. Hardened male flaring plug accurately tapered and polished to avoid tearing of soft metal and insure a tight joint. Threaded female dies prevent slipping. To operate; place tubing in proper die opening, tighten wing nuts, adjust head for desired pressure and turn T handle. Die sizes: $\frac{3}{16}$ ", $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{2}$ " and $\frac{5}{8}$ ". Cadmium plated. Length $6\frac{1}{2}$ ".

TUBE CUTTER NO. 761



Capacity $\frac{1}{8}$ " to 1"

Self-centering feature

A few simple turns of this perfectly balanced, light, strong tool and you have a smooth, clean cut with practically no burr.

The razor-edge wheel cuts brass, bronze, copper or similar tubing through the entire thickness without internal or external burr.

The roller jaws and cutting wheel are always accurately held on the center of the tubing, so that when the knurled adjusting screw is turned up the tool automatically moves in a straight line, insuring only precision, right-angle cuts. This eliminates all possibility of distortion of tubing, ragged edges or off-center cuts.

The cutter wheel is made from a special analysis tool steel and has the ability to hold its keen cutting edge indefinitely. The replaceable cutter wheel is held in place with pin and clip springs.

NO. 761, length $5\frac{1}{2}$ ".

NET PRICE, each.....
Extra Cutter Wheels.....
NET PRICE, each.....



TAP AND DIE CHASER KIT

For restoring tube fitting threads

Restores crossed or distorted threads, male or female. Services oil, fuel and hydraulic lines, $\frac{3}{16}$ ", $\frac{1}{4}$ ", $\frac{5}{16}$ " tube sizes. 6 separate pieces, entirely flexible in use—pays off big in time saved.

No. 805 Set of 3 taps and 3 dies. Inverted fitting thread restorers for $\frac{5}{16}$ ", $\frac{1}{4}$ ", $\frac{3}{16}$ " gas and oil lines.

1 Tap $\frac{1}{2}$ x 20

1 Tap $\frac{7}{16}$ x 24

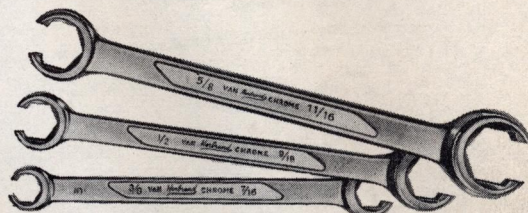
1 Tap $\frac{3}{8}$ x 24

1 Die $\frac{1}{2}$ x 20

1 Die $\frac{7}{16}$ x 24

1 Die $\frac{3}{8}$ x 24

NET PRICE Complete in fitted wooden container.....



**6-POINT FLARE NUT WRENCHES
Won't Chew Up Nuts**

Herbrand's 6-point Flare Nut Wrenches are scientifically designed to give a full firm grip on soft metal flare nuts now used so many places on automobiles. Long and slim heads are off-set to reach those hard to get at flare nuts.

Wrenches are drop forged from triple alloy steel, heat treated for extra toughness. Chrome finish, mirror polished heads and distinctive panelled handles identify these tools as the finest quality in the wrench field.

Wrench Number	Size Openings	O.D. Head	O.A. Length
1323	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{39}{64}$ & $\frac{23}{32}$	$5\frac{1}{2}$
1325	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{13}{16}$ & $\frac{29}{32}$	$6\frac{5}{16}$
1327	$\frac{5}{8}$ & $\frac{11}{16}$	$\frac{31}{32}$ & $\frac{11}{16}$	$7\frac{1}{8}$



**HERBRAND TUBE BENDERS
Made in Six Sizes**

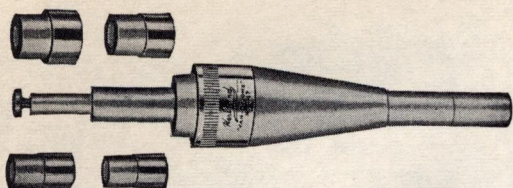
Copper tubing cannot be bent without kinking unless the Tube Bender is used. These simple yet practical benders do a perfect job and eliminate all possibility of distorting. They bend the tubing by hand to any desired shape without collapsing the tubing.

Available in six sizes for perfect bending of tubing from $\frac{1}{4}$ " to $\frac{3}{8}$ ".

Cat. No.	Size	Length	Net Each
752	$\frac{1}{4}$	$7\frac{1}{2}$	
753	$\frac{5}{16}$	$7\frac{1}{2}$	
754	$\frac{3}{8}$	$7\frac{1}{2}$	
755	$\frac{7}{16}$	$7\frac{1}{2}$	
756	$\frac{1}{2}$	$7\frac{1}{2}$	
758	$\frac{3}{8}$	$7\frac{1}{2}$	

SET NO. 759, containing one each of 6 Benders.

NET PRICE, complete.....



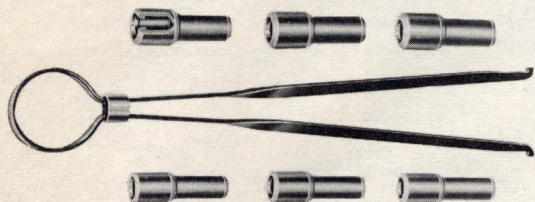
"VAN-CHROME" CLUTCH ALIGNING TOOL NO. 847
Chrome Molybdenum Steel

When replacing clutch and transmission on the majority of cars this tool will be found almost indispensable. Disc clutches must be centralized with the flywheel so that the clutch shaft will enter the pilot bearing. This double-end tool gives double service, because it works on both large and small pilot bearings and no extra parts are necessary. Constructed from tough Chrome Molybdenum Steel, expertly hardened and tempered for long service. Smoothly ground, accurately sized and finished all over in satin nickel. The knurling on the tapered cone makes it slip-proof.

After placing clutch in position on the flywheel push the spindle of the tool through the clutch with the tapered end entering the pilot bearing. Hold in horizontal position and slide the tapered cone forward until it enters the clutch. Withdraw the tool and the clutch shaft and transmission will slide readily into place. Four sizes of detachable collars are supplied as part of the tool, which fit the following sizes of pilot bearings—.590, .612, .624, .668, .749, .786, .808, .984.

Length 12". Weight 2 lbs. 8 ozs. Chrome plated.

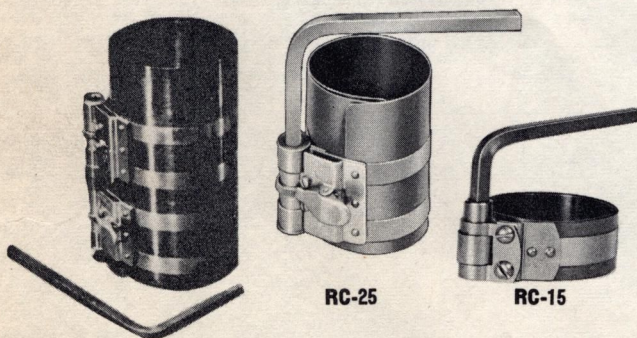
NET PRICE, each



CH-83 HEAD & GASKET ALIGNING TOOL

For fast, accurate placement of Head Gaskets and Cylinder Heads. Three dowels placed in the block give added protection to the gasket and three-point alignment for block-gasket assembly. Head bolts start easily. The spring activated retriever removes the dowels without unscrewing. Set consists of:

- 1 spring steel retriever.
- 1 set of three dowels, 7/16" bolt size.
- 1 set of three dowels, 1/2" bolt size.



RC-25

RC-15

RING COMPRESSORS, RATCHET TYPE

The finest ratchet, wind-up type ring compressors made. Positive non-slip action. Outer tension bands maintain equalized pressure. Each will fit a wide range of sizes.

NO. RC-15 capacity 2 1/2" to 5" diameter narrow band (1" wide) for fast ring installation in new type pistons. Chevrolet, Ford, Lincoln and Mercury since 1925 and other makes, 1956 and later.

NO. RC-25, single band. Capacity 1 1/2" to 3". Net price

NO. RC-50, two bands. Capacity 2 1/2" to 5". Net price

NO. RCT-50, two bands. Capacity 3 1/4" to 7". Net price

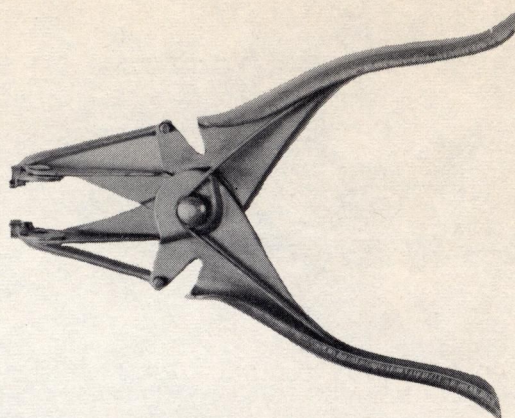
NO. RCT-150, four bands. Capacity 3 1/2" to 7" x 6 1/2" deep. Net price



POCKET MAGNETIC TOOL

Sturdy clip holds the tool firmly in shirt or jacket pocket, has easy to grip knurled handle.

NO. 380-P, length 6". NET PRICE



NO. RE-250 UNIVERSAL PISTON RING EXPANDER

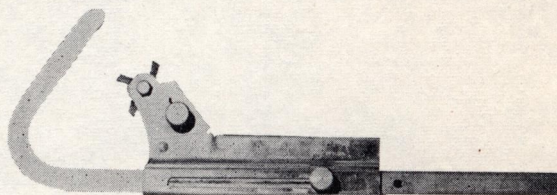
This Universal Piston Ring Expander will save time and money when installing or removing piston rings.

Handles rings of all sizes—eliminates ring breakage.

Eliminates cut fingers—will not damage rings.

Properly heat treated for long wear.

No. RE-250—DEALER NET PRICE



UNIVERSAL RING GROOVE CLEANER NO. 349
Adjustable to Four Groove Sizes

Insures Perfect Ring Functioning and Avoids Injury to Pistons

The hardest carbon deposit yields readily to a few simple revolutions of the tool without injuring piston walls or ring grooves. It does a perfect cleaning job, because the rotor or scraping wheel is adjustable to fit all the popular sizes of ring grooves. A turn of the lock nut revolves the cutter to any desired size and exactly fits the grooves without binding. The cleaner wheel is so accurately fitted that it will not round off the edges of the grooves, insuring perfect-fitting rings and avoiding lost compression, poor ring functioning and other disorders.

Size of cutter blades, 3/16", 1/8", 5/16" and 3/8". Length 11 1/4". Weight 12 ozs.

NET PRICE, complete tool, each

EXTRA CUTTER BLADES

- | | |
|------|---------------------------------|
| 349B | Cutter 3/16", 1/8", 5/16", 3/8" |
| 349C | Cutter 3/16", 1/8", 5/16", 3/8" |



FLEXIBLE MAGNETIC PICK-UP TOOL
For Difficult Retrieving
Permanent Magnet head

Here's a new tool for picking up small tools, nuts, bolts, etc., dropped into inaccessible spots. Sides of magnet are covered with rubber to facilitate withdrawal. To reach around corners or behind obstacles, 18" handle may be made extremely flexible by unscrewing top and withdrawing a steel wire core. Herbrand's new Pick-Up tool is durably made to highest quality standards—a time and labor saver for every garage or service station.

NO. 381-18, Flexible Magnetic Pick-up. NET, each

MAGNETIC PICK-UP

Permanent Magnetic heads — amazing strength—adjustable angle. Will retrieve tools dropped in inaccessible spots. Ideal time and trouble saver.

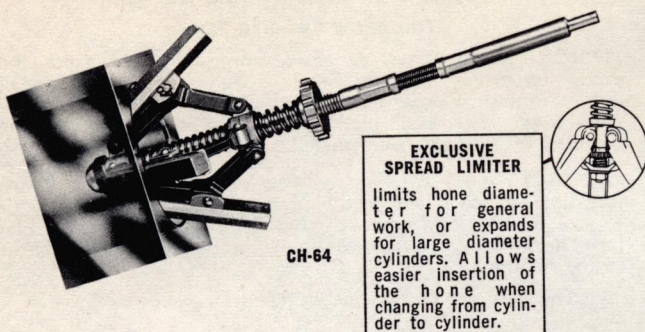
NO. 380-27, telescopes from 16 3/8" to 27" length.

DEALER NET

NO. 380-9, length 9".

DEALER NET

CYLINDER DE-GLAZING HONES



CH-64

EXCLUSIVE SPREAD LIMITER
limits hone diameter for general work, or expands for large diameter cylinders. Allows easier insertion of the hone when changing from cylinder to cylinder.

Strongly Built—Self-Centering—Self-Aligning—
Flexible Cable Joint makes more flexible de-glazing as under Fire Wall

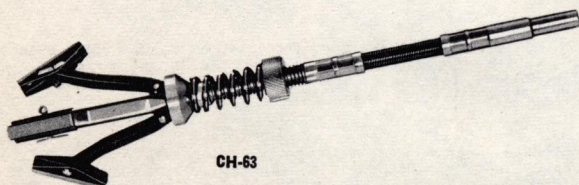
All Models Are Bottoming Hones

Fast and convenient, self centering and flexible drive, for resurfacing over a wide range of sizes from the largest truck cylinder to brake and industrial cylinders 17MM I.D. Two models the CH-61 and CH-62 are engineered for correct pre-set tension throughout the range of the hones. Others are adjustable for desired abrasive pressure. The flexible shaft is solidly embedded in the shaft inside the tension spring and may be used with high or low speed ¼ or ½ inch drills. Shorter shaft has added clearance and strength. Flexible shafts and abrasive stones are subject to abuse and are not guaranteed.

NO. CH-61, Has pre-set tension and exclusive spread limiter (stone) hone fits cylinders 2" to 5¼" dia. Complete with 3" medium grit stones. **NET PRICE**

NO. CH-62, Has pre-set tension and exclusive spread limiter (stone) hone fits cylinders 2" to 7¼" dia. Complete with 3" medium grit stones. **NET PRICE**

NO. CH-64, Adjustable tension (stone) hone fits cylinders 2" to 5¼" dia. Complete with 3" medium grit stones. **NET PRICE**..



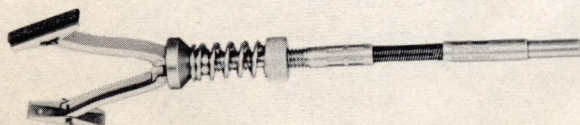
CH-63

Brake Cylinder Resurfacing Tool No. CH-63

For brake cylinders and small engines

A fast and convenient tool, same as the No. CH-64 illustrated above but specially designed for brake cylinders and small engines. It is built to bottom in blind holes or resurface top cylinders.

NO. CH-63 Capacity ¾" to 2¼", complete with 280 grit stones. **NET PRICE**



Brake Cylinder Resurfacing Tool No. CH-65

For brake cylinders on foreign cars. Similar to the No. CH-63 except for only two stones. Capacity 17 MM. to 2". Fits cylinders of smaller diameter such as Volkswagen, etc.

REPLACEMENT STONES

For Herbrand Hones

NO. CH-60-C Set of two 3" medium grit stones and 1 felt wiper for CH-60 Hone. **NET PRICE**

NO. CH-60-F Same as above fine grit. **NET PRICE**

NO. CF-61-100 Set of two 3" coarse (100) grit stones and one felt wiper fits CH-61, CH-62 and CH-64 Hones. **NET PRICE**

NO. CH-61-C Set of two 3" stones, medium grit and one felt wiper for CH-61 and CH-64 Hones. **NET PRICE**.....

NO. CH-61-F Set of stones same as above except fine grit. **NET PRICE**

NO. CH-62-C Set of two 3" stones medium grit and one felt wiper for CH-62 Hone. **NET PRICE**.....

NO. CH-62-F Set of stones same as above except fine grit. **NET PRICE**

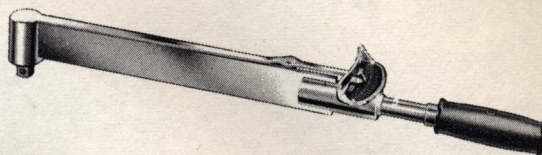
NO. CH-63-R Set of two medium grit stones and one felt wiper for CH-63 Hone. **NET PRICE**.....

NO. CH-63-F Same as above fine grit. **NET PRICE**.....

NOTE: NO. CH-63R and CH-63F stones also fit the No. CH-65 hone, Lisle BHX and amco 1650 hones. NET PRICE.....

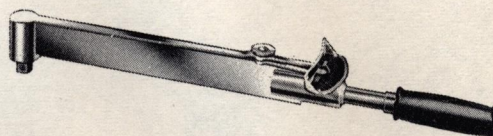
TORQUE WRENCHES

The most consistently accurate of all torque wrenches by actual test. Now available in three patterns! Two visual signal types. The "S" series "round beam" and "F" series "flat beam" plus the new deluxe three-way-signal "reflex action" model. The reflex series differs only in that it provides three methods of signalling the user when desired torque is reached by means of Touch, Sound and Sight. Each wrench individually machine tested for accuracy before shipment. No gears or wheels to wear or get out of order. Each wrench provided with exclusive pivot handle; pull force always directed from constant distance for greater accuracy.



STANDARD MODEL FLAT BEAM

Capacity—0-300 ft. lbs.



SENSORY REFLEX SIGNAL TYPE

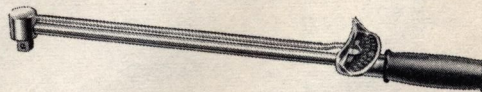
Flat Beam Capacity 0-600 ft. lbs.

The Flat Beam type is the most consistently accurate Torque Wrench made. No complicated mechanisms, or friction parts, to get out of adjustment or working order.

Every wrench individually tested on a torque tester after complete assembly. Light weight, rugged construction and perfect balance. Easy to read, etched dials and bright chrome plate.

Visual Signal Wrench No.	Reflex Signal Wrench No.	Foot Pounds	Grad. Steps	Length in ins.	Wt. lbs.	Square Drive	Dealer Net-Price
FJ-25	FJS-25	0- 25	1 ft.-lb.	15¼	2¼	3/8"	
FS-50	FSS-50	0- 50	2½ ft.-lb.	15¼	2½	1/2"	
FS-100	FSS-100	0-100	5 ft.-lb.	17½	2¾	1/2"	
FS-150	FSS-150	0-150	5 ft.-lb.	26½	5¼	1/2"	
FS-200	FSS-200	0-200	5 ft.-lb.	26½	5½	1/2"	
FH-300	FHS-300	0-300	10 ft.-lb.	34¾	10½	3/4"	
	FHS-600	0-600	25 ft.-lb.	60	19	3/4"	
		Inch Pounds					
FS-200-1		200		15¾	2½	1/2"	
FS-300-1	FSS-300-1	300	12½	16	2¾	1/2"	
FJ-300-1	FJS-300-1	300	12½	16	2¾	3/8"	

*Other Inch pound graduations available on special orders.

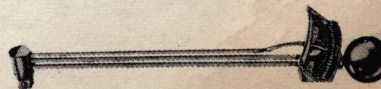


ROUND BEAM PATTERN

Capacity 0-150 ft. lbs.

The small head and compact overall size make the Round Beam type the ideal Torque Wrench when working in hard-to-reach places. Light weight and perfect balance aid the operator.

Wrench Number	Foot Lb. Capacity	Foot Lb. Graduations	O.A. Length	Approx. Wt. Lbs.
S-50	0-50	2½	15¾	1¼
S-55	0-100	5	19¼	2
S-56	0-150	5	19¼	2



NO. FJ-100-1 Length 10½", 0-100 in. lbs. ¾" drive for work on Automatic Transmissions.

DEALER NET PRICE

Van-Chrome Feeler Gauges

Tested for Accuracy and Temper

Imported Swedish Steel

HERBRAND thickness gauges are precision made from finest grade imported Swedish Steel. They provide dependable accuracy and are scientifically hardened and tempered to withstand long wear. Each blade is tested to insure exact thickness required by the most rigid specifications.

All Herbrand Thickness Gauges are equipped with knurled lock-nuts, which release the blades instantly for rapid selection of size desired, and when tightened lock the individual blade into the working position, retaining the blades not in use firmly in the handle.

The sizes are permanently etched on each blade.

TYPES AND SIZES OF "VAN-CHROME" FEELER GAUGES

G-7, Spark Plug Wire Gauge. Contains one electrode bender and eight wire gauges: .022, .025, .028, .030, .032, .035, .038 and .040.

G-8-A, New Ford Gauge. Contains thirteen "Go and No-Go" blades $3\frac{3}{16}" \times \frac{1}{2}"$ with $\frac{5}{16}"$ step in: .010-.012, .011-.013, .012-.014, .013-.015, .014-.016, .015-.017, .016-.018, .017-.019, .018-.020, .019-.021, .021-.023, .024-.026, .025-.027; four ignition taper blades: .015, .016, .020, .025; two straight wire feelers for voltage regular cut out: .017, .030; three spark plug gap bent wire feelers: .025, .028, .035 and one electrode bender.

G-9, Piston Gauge. Contains eight $9" \times \frac{1}{2}"$ blades: .002, .003, .004, .005, .006, .008, .010 and .015.

G-10, Standard Feeler Gauge. Contains ten $3\frac{3}{16}" \times \frac{1}{2}"$ blades: .002, .003, .004, .005, .006, .007, .008, .010, .012 and .015.

G-11-A, Specially designed for ignition work. Contains 16 blades, $\frac{1}{4}"$ wide by $1\frac{1}{4}"$ long. One each of the following sizes in locking type holder: .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .022, .024, .025, .028, .030, .032.

G-12-A, New Chevrolet Gauge. Contains eight $3\frac{3}{16}" \times \frac{1}{2}"$ blades: .006, .007, .008, .010, .012, .013, .015, .020; four $3\frac{3}{16}"$ to $\frac{1}{4}"$ ignition taper blades: .016, .018, .020, .022; three spark plug bent wire gauges: .032, .035, .040; and one electrode tool.

G-13-A, Ignition Gauge. Contains twelve $1\frac{3}{4}" \times \frac{1}{4}"$ blades: .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .022, .025.

G-14, Brake Gauge. Contains nine $4" \times \frac{1}{4}"$ blades: .002, .004, .005, .006, .007, .008, .010, .012 and .015.

G-15, Contains a complete range of Go-No-Go blades in the following sizes:

.006-.008	.010-.012	.014-.016	.018-.020
.007-.009	.011-.013	.015-.017	.019-.021
.008-.010	.012-.014	.016-.018	.020-.022
.009-.011	.013-.015	.017-.019	

Length of blades $3\frac{1}{2}"$, width $\frac{1}{2}"$, in locking type holder.

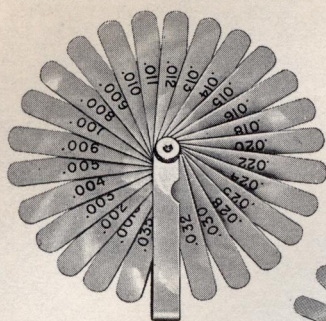
G-20-A, Combination Gauge. Contains ten $3" \times \frac{1}{2}"$ blades: .002, .003, .004, .005, .006, .007, .008, .010, .013, .015; twelve $1\frac{3}{4}" \times \frac{1}{4}"$ fingers: .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .022, .025.

G-25, Universal Master Gauge. Contains twenty-five $3\frac{3}{16}" \times \frac{1}{2}"$ blades: .0015, .002, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .018, .020, .022, .024, .025, .028, .030, .032 and .035.

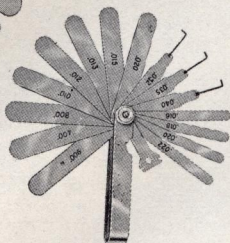
G-26, Special Carburetor Gauge. For anti-percolator and fast idle adjustments. Contains twelve straight wire gauges: .010, .012, .015, .018, .020, .023, .026, .030, .040, .045, .053 and .054.

G-27 Universal Overhead Valve Gauge. Contains 16 blades offset to 45° angle for adjusting on all overhead valve engines: .009, .010, .011, .014, .015, .016, .017, .018, .019, .020, .021, .023, .024, .025, .026, and .027.

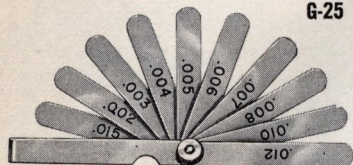
Additional Feeler Gauges on next page.



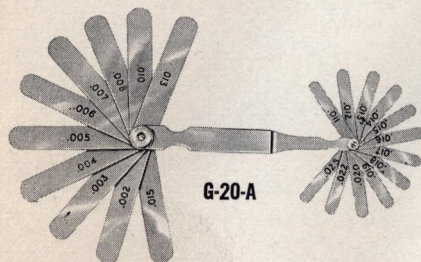
G-25



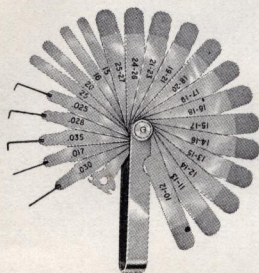
G-12-A



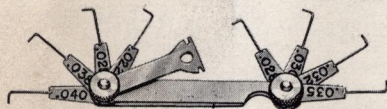
G-10



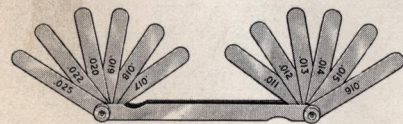
G-20-A



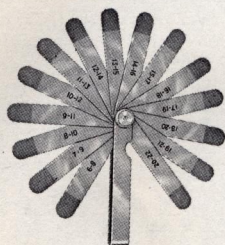
G-8-A



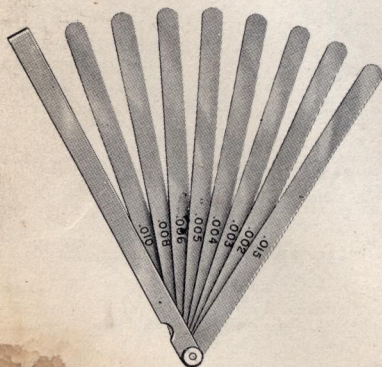
G-7



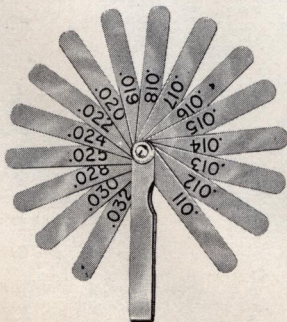
G-13-A



G-11-A



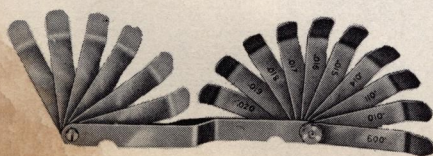
G-9



G-11-A

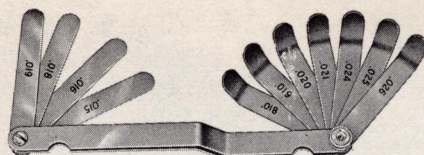


G-14



G-27

NO. G-5-A COMBINATION OVER-HEAD VALVE



Fords and Studebakers

Here is a new and improved design feeler gauge for accurate tappet adjustment. Contains 7 blades from .016 to .021 inches. The G-5, designed by mechanics, provides all the necessary gauges required for adjusting tappets on all new Ford cars and trucks and Studebaker products.

Offset blades are designed to provide clearance over manifold and prevent injury when working on hot engines.

An exceedingly useful tool that no mechanic should be without.

NET PRICE, complete.....



G-30

FEELER GAUGE STOCK HOLDERS

Double and Single End—Positive Adjustment Lock

Any thickness of feeler gauge stock coils easily within the handles and pulls out readily for use. Either 12" standard blades, or any desired length of strip stock may be used. Blades are held securely by the positive sliding lock. Made from hand-drawn cold rolled steel and nickel plated.

NO. G-30, Single End Holder. Length 4 1/2". NET PRICE, each.

NO. G-31, Double End Holder. Length 10". NET PRICE, each.



Extra Blades for Replacement

Available in the popular range of thicknesses, size 1/2" x 3 1/2" with hole for insertion in Herbrand Holders. Fit most any holder—sizes etched on blades: G-0015; G-002; G-003; G-004; G-005; G-006; G-007; G-008; G-009; G-010; G-011; G-012; G-013; G-014; G-015; G-016; G-018; G-020; G-023; G-024; G-025; G-026; G-028; G-030; G-032; G-035; G-040.

NET PRICE, each.....

9 and 12-inch FEELER GAUGE BLADES Hardened and Polished Swedish Steel

Available in the twenty-six popular sizes from .0015 to .040 in standard 9" and 12" lengths, 1/2" wide. The Stock Holders listed above make them usable down to the last scrap by snipping off worn ends.

The number indicates the thickness of the stock: GB-0015; GB-002; GB-003; GB-004; GB-005; GB-006; GB-007; GB-008; GB-009; GB-010; GB-011; GB-012; GB-013; GB-014; GB-015; GB-016; GB-018; GB-020; GB-023; GB-024; GB-025; GB-026; GB-028; GB-030; GB-032; GB-035; GB-040.

NET PRICE, each.....

Specify length (9" or 12") required when ordering.

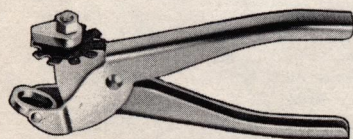


FEELER GAUGE STRIP STOCK

Ten-foot Rolls in Slotted Metal Boxes

Genuine imported Swedish Steel of guaranteed accuracy. Blade thicknesses are plainly etched with foot markings to facilitate dispensing any required length. The slotted metal boxes are supplied gratis.

State thickness required when ordering.

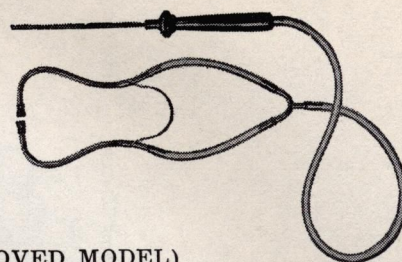


GT-10 SPARK PLUG GAPPING TOOL

New improved design for fast, accurate automatic setting of 10 thru 14 MM spark plugs. Revolving gauge accurately sized for normal spring back. Every plug set exactly the same. Handle slotted to spread electrode. Sizes include: .022, .025, .026, .028, .030, .032, .035, .036, .038 and .040.

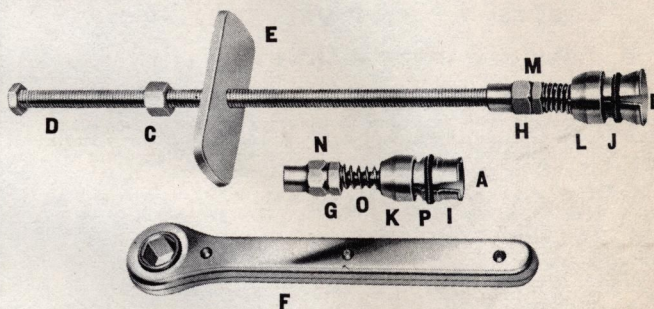
NO. MS-1 MULTISCOPE®

Patent No. D-163,282



(IMPROVED MODEL)

The greatest trouble-tracer in the maintenance business. Locates and identifies trouble quickly. Saves unnecessary "tear-down" time and labor. Used like a doctor's stethoscope, this model picks up the entire range of sound the ear can detect. A few examples of use are: bearing noises, steam, liquid or air traps and valves; operation of sealed mechanical and electrical control assemblies; refrigeration units; stress sounds in material testing; and any hidden or enclosed spots where tear down is difficult and costly.



VL-525-A (Small Puller Head)
VL-525-B (Larger Puller Head)
VL-525-C (Drive Nut—Upper)
VL-525-D (Stud)
VL-525-E (Plate)
VL-525-F (Ratchet)
VL-525-G (Cone Stud—Small)
VL-525-H (Cone Stud—Large)

VL-525-I (Jaw Set—Small)
VL-525-J (Jaw Set—Large)
VL-525-K (Collar—Small)
VL-525-L (Collar—Large)
VL-525-M (Cone Stud Nut—Small)
VL-525-N (Cone Stud Nut—Large)
VL-525-O (Comp. Spring—Both)
VL-525-P (Ext. Coil Spring—Both)

NO. VL-525 HYDRAULIC VALVE LIFTER UNIT

Removes hydraulic lifters from Straight or "V" engines

PULLS FROM TOP OF ENGINE—WILL NOT DAMAGE LIFTERS

The VL-525 provides the one best method for the removal of any hydraulic valve lifter from the block, regardless of heavy varnish deposits on the crankshaft end of the lifter body.

Two adjustable inverted collets are included for full range of coverage.

NO. VL-525 DEALER NET PRICE.....



NO. 2365 FORD VALVE LIFTER

New Design for All Fords

Drop Forged from Select Tool Steel

Designed with a universal type jaw that combines two sizes for servicing all V-8 Fords from 1932 to the latest models. It saves time over any other type lifter, and the 24" length provides ample leverage for removing the stiffest springs. Drop forged in one piece from special Tool Steel, the large knurled handle gives a firm, steady grip.

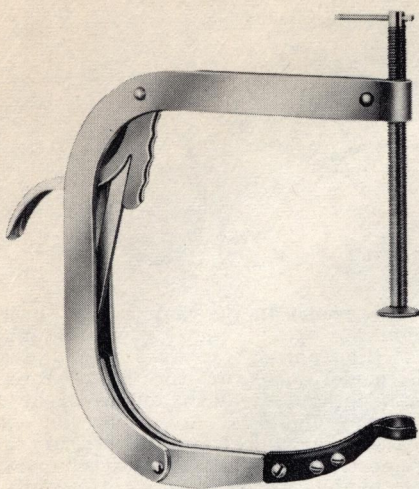
To service models 1932-33: Insert fork near bottom of spring, depress handle, using opposite block as a fulcrum. This enables retainer washer to be removed; then withdraw valve lifter and drive guides out.

To service later models: With heel of tool upward, insert fork near lower end of valve guide. Pull upward on handle, pushing valve guides down, which permits removal of horse-shoe lock. Reverse tool, push down on handle and valve and guides will push out at top of block. For badly carbonized guides use as described for 1932 models and remove valve spring retainer. Attractively finished in chrome plate.

Length 24". Weight 2 lbs.

NET PRICE, each.....

HERBRAND VALVE TOOLS



VL-550 "C" TYPE VALVE LIFTER

Fits more than 90% of All Cars and Trucks

The Universal "C" Valve Lifter is made to service all valve-in-head and L-head automotive engines, without removal of the manifold. The handle compresses with 8 to 1 leverage and is locked into position by a simple slide ring, leaving both hands free. The threaded shaft quickly adjusts to any valve stem length. Designed for use with VL-530 split lock replacer. Height 10 $\frac{1}{4}$ ", width 9 $\frac{1}{2}$ ". Capacity 1" to 2 $\frac{1}{2}$ " diameter springs. Includes 3 pair jaws.

VL-551, Straight Jaws, capacity 1" to 1 $\frac{3}{4}$ "; VL-552, Large Straight Jaws, capacity 1 $\frac{1}{2}$ " to 2 $\frac{1}{2}$ "; and VL-553, High Offset Jaws, capacity 1" to 1 $\frac{3}{4}$ ".

NO. VL-550 complete. NET PRICE.....

HEAVY DUTY VALVE LIFTER

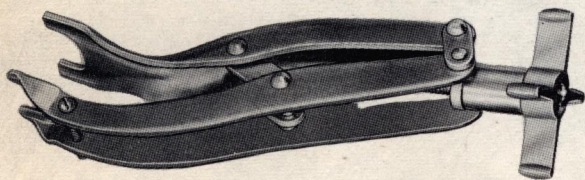
For Large Trucks, Buses and Tractors

Motors on heavy trucks, buses and tractors require a larger capacity and heavier, more powerful Valve Spring Lifter and Compressor. VL-560 has the same labor-saving features as the standard type described above, but is more ruggedly built, with a bigger frame and the extra power for those tough, heavy duty jobs. The C-frame design will handle the toughest spring compression work without removing the manifold or other interfering parts.

Every mechanic needs the Herbrand Heavy Duty Valve Spring Lifter and Compressor. It not only pays for itself on a few jobs, but will return large dividends in a short period of time. The one-piece C-frame is ruggedly constructed of heavy gauge steel, and the entire tool is rustproof finished.

NO. VL-560, complete with 1" to 1 $\frac{3}{4}$ " Straight Jaws, 1" to 1 $\frac{3}{4}$ " High Offset Jaws and 1 $\frac{1}{2}$ " to 2 $\frac{1}{2}$ " large Straight Jaws. Size of frame, 10 $\frac{1}{2}$ " x 12" wide.

NET PRICE, each.....



VL-540 SCREW TYPE VALVE LIFTER

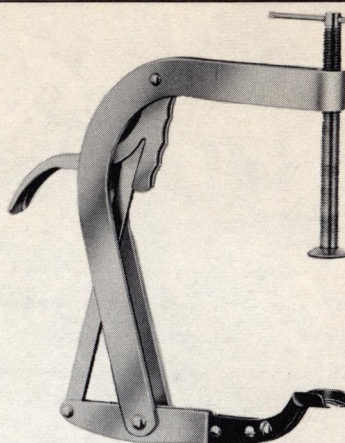
Short compact and rugged, this lifter is recommended for all L-Head engines using straight valve stems. Length 9". NET PRICE, each.....

Special Cadillac adaptation for the above, NET PRICE, each.....



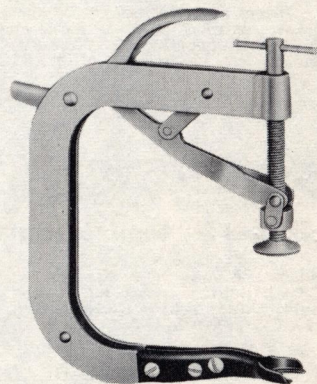
VL-530 SPLIT LOCK REPLACER

The handiest tool made to hold and position Valve Stem Split Locks. Holds so firmly they cannot drop out until released in position. Work easily in smallest area. Length 8 $\frac{1}{2}$ ". NET PRICE.....



VL-545 "C" CLAMP VALVE IN HEAD LIFTER

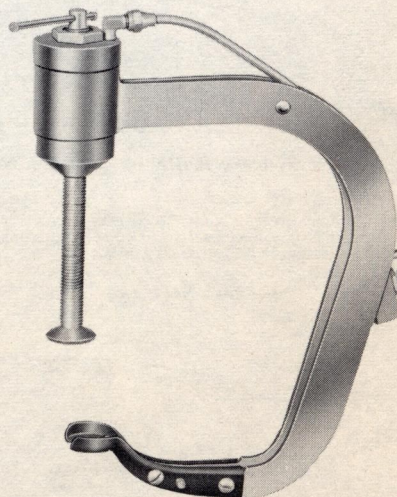
For automotive, truck, tractor, bus and marine engines. A light weight exceptionally sturdy with powerful leverage spring compressor. Pin operated screw adjustment, controlled one hand lowering of the valve spring. One hand is safely used to hold the locks. Height 9 $\frac{3}{4}$ ", Width 7". Spring capacity 1" to 2" diameter valve springs. Equipped with number VL-551 medium offset general purpose jaws.



VL-518 "C" CLAMP VALVE LIFTER

For Compact and Foreign Cars

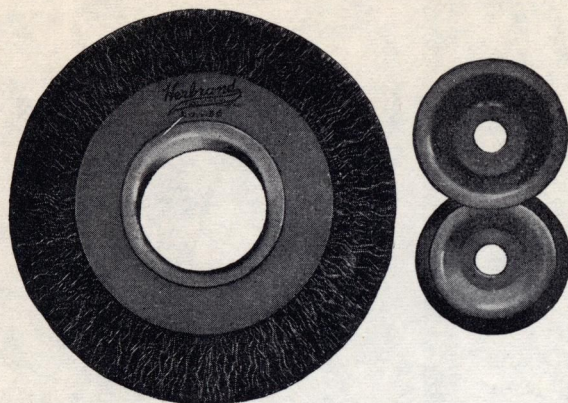
For compact, foreign cars, and other small valve in head and "L" head engine work. Light but very rigid frame, cam locking, with powerful leverage. Safe controlled one hand release of spring tension. Pin operated screw adjustment. Height 6 $\frac{1}{2}$ ", Width 6 $\frac{1}{4}$ ". Spring capacity $\frac{7}{8}$ " - 1 $\frac{1}{2}$ " spring diameter.



VL-700 "C" CLAMP VALVE LIFTER AIR OPERATED

Safe, fast complete control in compressing the spring or in lowering the spring to receive the keepers. Services all late model car, truck, bus, tractor and many marine and industrial engines. The only valve lifter with completely parallel lift. Positively will not bend the valve stem. Operates on line pressure of 90 - 150 lbs. Develops pressure equal to three times line pressure. Height 9 $\frac{3}{4}$ ", Width 7". Spring capacity 1" to 2 $\frac{1}{2}$ " diameter valve springs. Complete with 3 pair of jaws.

WIRE CIRCULAR BRUSH



STEEL WIRE CIRCULAR BRUSHES

For Roughing, Cleaning and Buffing

Heavy Duty Construction—Perfectly Balanced

Constructed of a special tough, crimped, steel wire; there are no better quality brushes available. The steel wire sections are locked into the metal hub parts under pressure, making a complete master unit. This hub construction permits the use of the greatest amount of wire, and creates an exceptional density on the working face of the brush that will wear evenly down to the arbor.

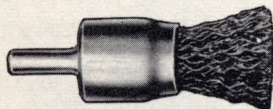
The extra quality crimped steel wire prevents bending and breaking, assuring longer life and unusual wearing ability. The metal-bound construction eliminates the danger of flying grit.

Three sizes: No. 1136 four-inch, No. 1137 six-inch and 1137-3, 8". Each wheel has a standard 2" opening, and adaptors illustrated, with $\frac{1}{2}$ " arbor hole, are supplied as regular equipment. They are interchangeable with any size adaptor to fit any shaft.

No. 1136, 4" diameter, thickness $\frac{7}{8}$ ", complete with arbor.
NET PRICE, each.....

No. 1137, 6" diameter, thickness $1\frac{1}{8}$ ", complete with arbor.
NET PRICE, each.....

No. 1137-3, 8" diameter, thickness $1\frac{1}{2}$ ", complete with arbor.
NET PRICE, each.....



CARBON CLEANING BRUSH NO. 1138

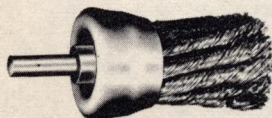
For Use with Portable Tools and Flexible Shafts

Metal-bound Construction

Designed particularly for cleaning carbon from cylinder heads, blocks, valve parts, recesses, combustion chambers and for general cleaning around the motor or car body.

The heavy, first quality, crimped wire is firmly secured in the metal cup, giving the brush extra long life and unusual wearing qualities.

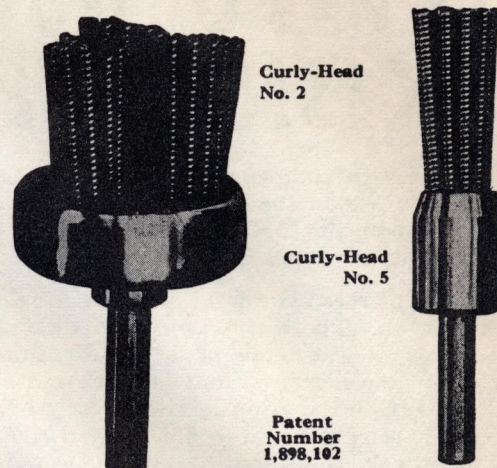
No. 1138, diameter of shank $\frac{1}{4}$ ", length of brush 1".
NET PRICE, each.....



No. 1139 Heavy Duty Carbon Brush

Has cable type coiled wires for greater strength and durability. Same size as 1138.

CURLY-HEAD Coiled wire Cleaning Tool



Curly-Head
No. 2

Curly-Head
No. 5

Patent
Number
1,898,102

Do not force—let the rotary whipping action do the work.
Maximum efficiency when used at 1750 to 2000 R.P.M.

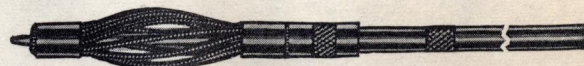
A NEW SERVICE WITH FLARE— WHIPPING AND ROTARY ACTION

Bristles will not lay down like straight or crimped wire. Curly Heads stand up in clusters of coiled wire. Each cluster floats freely, distributing wear and gives a whipping and rotary action not possible with other type brushes. Powerful spring tension prevents snarling, handles easily, no jerking or jumping. **Saves wear on drill.** Gets into close corners, valve ports, around bolts, etc., leaving burnished surface to which carbon does not readily adhere.

No. 2, Curly-Head Brush, 3 section, general utility use in drill or lathe.
NET PRICE, each.....

No. 5, Curly-Head Brush, 1 section for channels, etc., that cannot be reached by larger types.
NET PRICE, each..... Refills.....

No. 24, Curly-Head Brush, 3 section, same as No. 2 but medium for aluminum and alloys.
NET PRICE, each.....



COILED WIRE ADJUSTABLE AND RE-FILLABLE "REAMER TYPE" CLEANING TOOLS

Always maintains contact with surface to be cleaned. Spiral of wires and spiral of coils form the abrasive. Will not scratch, but has a polishing action not found in other type reamers. Wires will not fly out when used in bushings with holes, slot or oil groove. For hand or electric drill.

Lock the nut securely to prevent change of adjustment while in use. Maximum speed 1750 R.P.M.

Patent Number 2,020,442

No. 11, Curly-Head Cleaner, adjustable $\frac{3}{16}$ to $\frac{3}{4}$ inch. Valve guides for cars, trucks, tractors. Use one tool instead of many.
NET PRICE, complete..... Refill.....



CHISEL EDGE SCRAPERS

For tough scraping.

Here are the perfect scrapers for removing old gaskets, paint, caked carbon, undercoating, and similar substances. No. 343 flexible "putty-knife" is $7\frac{1}{2}$ " long with a blade $1\frac{1}{4}$ " wide. No. 347 chisel edge scraper is $7\frac{1}{2}$ " long and has a heavier, stiffer blade 1" wide. Both blades are made of special alloy steel, heat-treated for extra toughness. Scraping edges are tapered uniformly for sharpness. Mirror finish prevents rust, simplifies cleaning. Tough Tenite II Herbrand blue handles are shaped for a firm grip yet fit comfortably in palm of hand.

No. 343. DEALER NET, each.....
No. 347. DEALER NET, each.....



GENERAL PURPOSE SCRAPER NO. 348

For removing Gaskets, paint, grease or carbon

An all-round Scraper that cleanly removes shellacked gaskets from oil parts, flanges, etc. The chisel-edge blade, 8" long, has a face 1" wide and is securely anchored in the plastic handle. Face polished bright. Length 12". Weight 5 ozs.

Exceptionally good for removing carbon from cylinder heads, motor blocks, pistons and any flat surfaces.

Extremely useful in body and paint shops because it does a thorough job of scraping paint, grease or foreign substances.

No. 348 NET PRICE.....

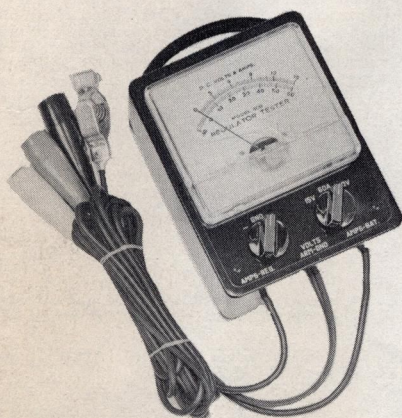
Herbrand

ELECTRICAL TEST METERS

EASY TO USE FOR PRECISION TESTING

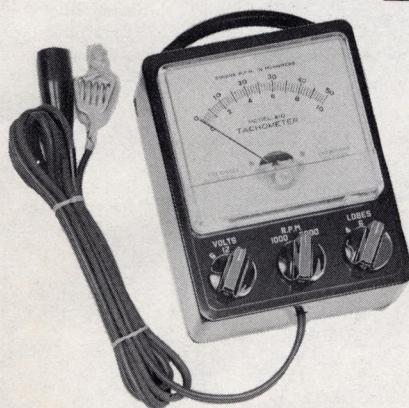
For quick, accurate readings and quality construction, you can find no finer instruments than these by Herbrand. Hook-ups are easier . . . number of adjustments to obtain readings are at an absolute minimum . . . the large, clearly-marked dials simplify precision readings.

Every feature of these Herbrand units is designed for simplicity and long, efficient use. The meters are built with powerful magnets and jeweled pivots for *guaranteed accuracy* to within 2% of the full-scale reading. Even the heavy-current lead wires are specially made with 165 individually tinned copper strands for flexibility and longer life. Thick rubber feet protect auto finishes and the jet black plastic case absorbs greater shock without harm to delicate parts.



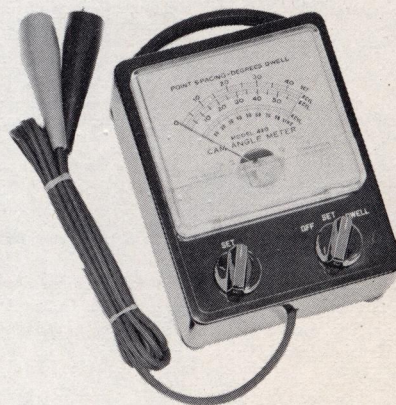
GENERATOR AND REGULATOR TESTER HT-400

Checks generator and regulator output, cut-out relays, primary circuits, batteries and other parts of the electrical system. Has 0-15 and 0-60 volt scale to check all autos and trucks in service today. A built-in polarity switch, prevents damage to meter. Simply flip the switch. Size: 8" x 5 1/4" x 3 3/8".



TACHOMETER HT-410

Indicates engine speeds on all autos and trucks with 6 or 12 volt systems. Range switch for 1000 and 5000 R.P.M. Cam lobe switch for 4, 6 and 8 cylinder engines. Only two wires — one clips to ground, the other to distributor. High-low range scale provides for RPM reading at cranking and operating speeds. Uniform accuracy at all temperatures. Engine RPM not affected by meter operation. Size: 8" x 5 1/4" x 3 3/8".



CAM ANGLE METER HT-420

Checks setting and resistance of breaker points in distributor, on all 6, 12 and 24 volt systems. Only two test clips to connect. Distributor remains on car, which permits test under actual operating conditions. Saves time and permits maximum accuracy as meter can be read and points adjusted at same time. Cam angle reading in degrees. Size: 8" x 5 1/4" x 3 3/8".



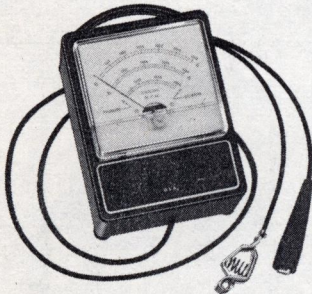
COMBINATION DWELL METER & TACHOMETER NO. HT-864

This is the first meter of its kind on the market today. Designed for those who want the best equipment for fast, accurate, high profit "tune-up." No complicated switches to operate—one knob sets the dwell—the other knob selects either dwell or tach scale. A toggle switch doubles the tach range for high speed checks. Meter operates on 6, 12 or 24 volt systems automatically—uses standard flashlight batteries. Large, easy-to-read dial face is designed with wide graduations for accurate idle speed setting. Make two connections to the engine and read the meter for either dwell or R.P.M. by a turn of the selector knob. Easy-to-follow directions are printed on the back of the meter.



HT-210 UNIVERSAL MARINE TACHOMETER ACCURATELY MEASURES R.P.M.'s. WITHOUT ANY ELECTRICAL CONNECTIONS

- For testing all OUTBOARD MOTORS; AUTOMOBILES; LAWN MOWERS; STATIONARY ENGINES; MARINE ENGINES; CHAIN SAWS AND TRACTORS!
- Just place end of single wire lead within the *proximity* of the engine system!
- Measures speed to 18000 RPM's! Instructions on back of meter has 2 & 4 cycle engine chart settings for 1 to 12 cylinders!
- Guaranteed accurate — uses only 4 ordinary flashlight batteries — unconditionally guaranteed!

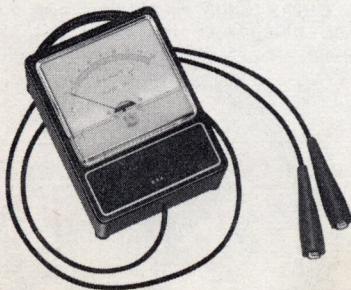


HT-346 TACHOMETER

FOR ALL BATTERY IGNITION SYSTEMS!

- 6 TO 24 VOLTS
- CHECK IDLE SPEED ADJUSTMENT
- AUTOMATIC TRANSMISSION
- CARBURETORS

Uses one ordinary flashlight cell! Guaranteed accurate to within 2% — uses two simple connections — has 5 ft. leads and rubber feet for fender protection!



HT-100 VOLT-METER

FOR CHECKING VOLTAGE ON 6 & 12 VOLT CARS

- Measures Voltage of Batteries, Generators and Voltage Regulators!
- Test Batteries, Cables, Car Wiring, instruction on back of tester.
- 5 ft. insulated leads, rubber feet — Unconditionally guaranteed for 1 year!

This easy to use meter can be used for 6 different tests — meter has complete instructions and volt charts on back — only (2) leads to connect — no dials to set — just read the voltage scale!



UNIVERSAL DWELL METER, TACHOMETER, VOLTMETER, AND AMMETER. No. HT-850

The HT-850 Universal Dwell-Tach-Regulator tester is a single unit, portable universal tester. It is designed primarily as road service equipment or as an additional portable unit to give flexibility to the shop now limited by massive cabinet type "analyzers".

The HT-850 provides the following:

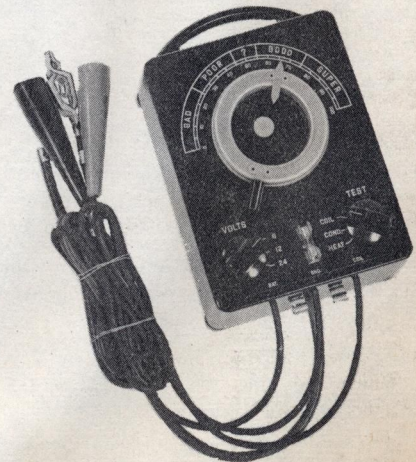
- | | |
|--|---------------------------|
| 1. Battery test (in the car or truck). | Scales are: |
| *2. Complete generator check. | 1. 0-16 volts |
| 3. Regulator, both test and setting. | 2. 0-60 amps |
| 4. Dwell reading. | 3. 10-45° dwell (8 cyl.) |
| 5. Contact point resistance check. | 4. 15-60° dwell (6 cyl.) |
| 6. Easy and accurate dwell setting with distributor out of engine. | 5. 0-2400 R.P.M. (8 cyl.) |
| 7. Carburetor idle mixture adjustment. | 6. 0-3200 R.P.M. (6 cyl.) |
| 8. Carburetor throttle setting. | |
| 9. R.P.M. reading for timing purposes. | |
| 10. Automatic transmission check. | |
| 11. Engine governor setting. | |

A complete shop manual, written for the practical mechanic is shipped with each HT-850. A single 5 lead hook-up with picture instructions after which ALL readings are made by turning a knob, makes this an excellent tester for the new tune-up specialist.

All Herbrand Guarantees apply.

Tach and Dwell readings for 4 cylinder engines are obtained by doubling the 8 cylinder scale reading.

*Also Chrysler Alternator.



COIL AND CONDENSER TESTER NO. HT-660

A remarkable new coil and condenser tester incorporating a new principal of design.

Note in illustration above how the centre post is off-centre; pointer ring is rotated from bad to super. Operator checks the continuity of spark.

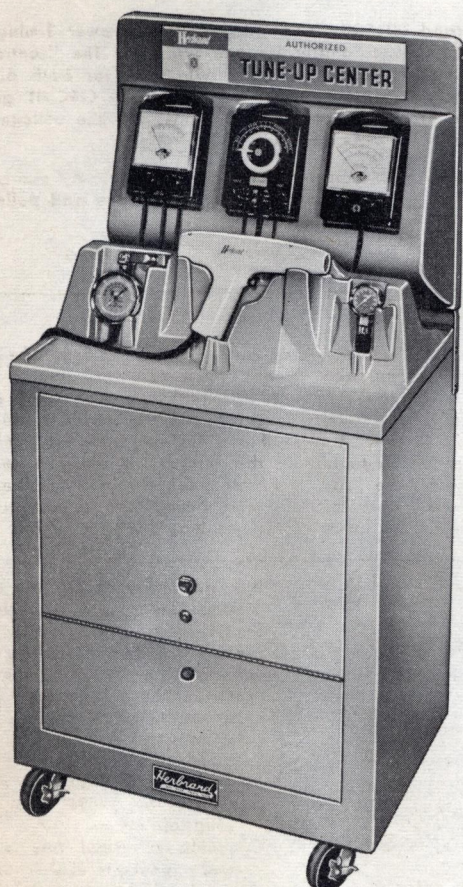
Hook-up is practically fool proof as leads are clearly marked and scale reads directly from bad to super for either coil or condenser check.

May be used for comparative checks of two or more coils or condensers. Right hand switch control has setting for testing the coil if desired.

The HT-660 may be used to check coils and condensers on and off the cars. Bake-lite case—carrying handle, lightweight—has rubber feet for fender protection.

DEALER NET PRICE -----

Herbrand TUNE-UP EQUIPMENT



TUNE UP CENTRE NO. HT-900

The Herbrand HT-900 Tune-Up Center is entirely self-sufficient—no batteries, chargers, or permanent hook-ups. No special schooling required to make you an expert.

It is complete in every respect, and all instruments are portable — no need to look over your shoulder when making adjustments.

Equipment in Tune-Up Center includes:

- HT-800 "Controlled Output" Power Timing Light
- HT-660 Coil Condenser Tester
- HT-864 Comb. Tach and Dwell Meter
- HT-400 Generator Regulator Tester
- HT-611 Compression Head Gauge
- HT-614 Adapter
- HT-620 Adapter
- HT-600 Vacuum and Fuel Pump Gauge
- HT-605 Remote Starter Switch

The custom cabinet, which may be purchased separately, contains three drawers for ignition parts and bottom shelf space for starters and generators.

The Herbrand HT-900 Tune-Up Center is designed to provide complete tune-up service facilities for service stations, repair shops and car dealers at a minimum cost. Latest tune-up specifications included with each Tune-Up Center.



TEST SET NO. HT-510

This set should be on every man's service bench! A compact, inexpensive-to-own unit provides regular checks on generators, carburetors, distributors, coils, condensers and engine speeds.

SET HT-510 INCLUDES . . .

- | | |
|-----------------------|------------------|
| 1—HT-400 | 1—HT-660 |
| Generator & Regulator | Coil & Condenser |
| Tester | Tester |
| 1—HT-864 | 1—HT-450 |
| Dwell-Tach Meter | Carrying Rack |

No. 450 carrying rack will contain any three Herbrand test instruments.

No. 451 VINYL PLASTIC cover for the above set.

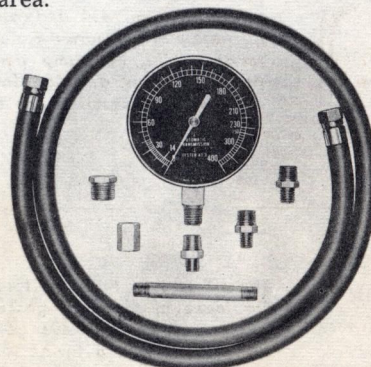


UTILITY STAND HT-475

"Tune-up" and utility stand that holds either the HT-500 or the 510 set and other equipment, plus the necessary tools to make complete check ups.

The Utility Stand is 28" high, 18" x 23" and constructed from 16 gauge steel, with a lower shelf the same dimensions as the top. Unit is finished in smooth tangerine enamel.

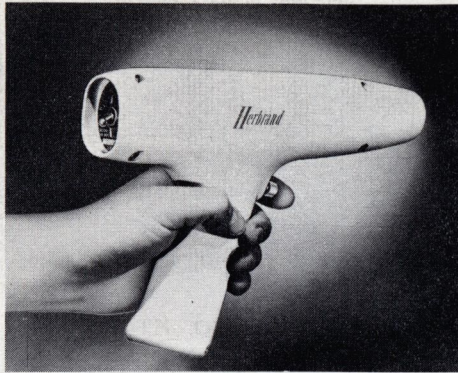
Handle and Heavy Duty Casters make a neat, portable unit, enabling mechanics to test cars inside or outside the garage area.



AUTOMATIC TRANSMISSION OIL PRESSURE GAUGE AT-3

A precision instrument with a full scale range from 0-400 lbs. A 3 1/2" dia. dial with graduated calibrations permits accurate reading of both low and high pressures. Fitted with an extra high pressure (1200 lbs.) hose and all necessary fittings.

HT-800 *Power Timing Light*

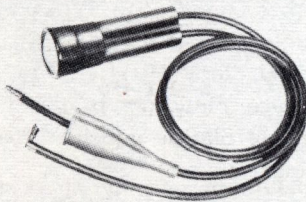


Herbrand TUNE-UP EQUIPMENT

The Herbrand HT-800 "Controlled Output" Power Timing Light is guaranteed unconditionally for one full year. The "controlled output" feature provides equally brilliant light for both 6 volt and 12 volt systems. The exclusive UNDERLOADED CIRCUIT gives twice the service life of ordinary timing lights, and the voltage-matching switch positively locks out the wrong voltage.

The HT-800's high-impact plastic case is electrically non-conductive. Greater light output is provided by the ground and polished lens. The finest power timing available anywhere.

HT-640 *Neon Tube Timing Light*



An easy to use ignition timing light. Case is molded bake-lite, shock proof and has specially shaped neon coil for greater brilliance. Terminals on leads are for use with rubber covered spark plugs and may be used on all other plugs as well. The leads swivel freely in their sockets to prevent twist-off and for easy pull out when replacement is needed. A feature of this light is the easily replacement of parts — neon tube "pops out" for quick simple replacement. This is a well constructed low cost timing light capable of unusual hard usage in the hands of today's busy mechanic.

HT-700 *Generator "quick-check" Meter*



The HT-700 provides a quick-to-use substitute for the dash ammeter which is left off of the "Red dash light" cars.

Merely place the wire to be checked in the guide on the back of the HT-700 and read the current that is flowing.

Checks charging rate in amps. Cut-out opening. Shows whether any particular circuit is dead. Excellent for the pump island. Check water and oil, then generator output to secure generator-regulator work for shop. Reads 0-75 amps regardless of polarity. Use on 6 and 12 volt systems.

HT-635 *Compression Gauge Tester Kit*



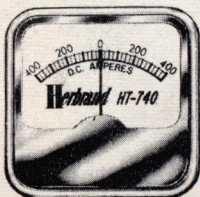
The starting point for any tune-up is a compression check. Unequal cylinder pressures mean the engine will not tune satisfactorily. Gauge head is graduated to 300 P.S.I. for accurate readings at mid-scale, and has pressure release valve.

Adapter stems make up...

1. Short straight.
2. Long straight—Chrysler deep well.
3. Angle—for under the manifold plug openings.

Complete in metal box with extra valves, gaskets, rubber cones and step cut self locking "cones". Your tune-up equipment starts with the compression gauge.

HT-740 *Starter Current Indicator Meter*



This compact meter requires no hook-up—just place the induction bar over the starter cable and depress starter switch—gauge will indicate amperage draw of the starter motor—gauge reads 0-400 (25 amp per graduation) in either direction for reading regardless of polarity. For 6 and 12 volt systems.

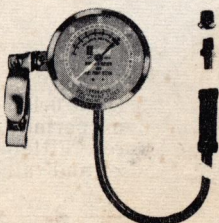
HT-606 *Remote Circuit Control*



The HT-606 by-passes the usual ignition and starter switches, permitting the mechanic to either "roll over the engine", or to start-run and stop the engine even with the dash ignition switch locked. It is the one best answer to the missing ignition key. Built-in tester bulb shows any "hot" circuit.

Use as jumper with switch to test inoperative accessories or an emergency jumper for broken circuits.

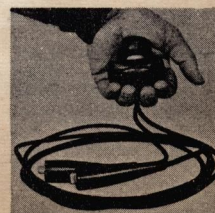
HT-600 *Vacuum and Fuel Pump Gauge*



The HT-600 is essential for checking for leaks in manifold gaskets, manifolds, carburetor flange gaskets, for loose tappets, bad timing, etc. Double end pointer on dial provides easy reading, and built-in check valve eliminates pointer "flip-flops".

The vacuum scale reads to 25 inches; fuel pump pressure to 7 pounds. A universal clamp faces any direction, clamps anywhere on car.

HT-605 *Remote Starter Switch*



The HT-605 is a heavy-duty push button remote starter switch with extra long lead wires designed to save time in tune-up. Eliminates use of extra man to crank engine when making tappet adjustments, setting points, etc. Heavy duty means the HT-605 can be used as a battery to starter jumper.

ALPHABETIC INDEX

	Page
Adaptor, Socket Drive	11
Adjustable Wrenches	25
Aligning Bars	44
Allen Hex Keys	25
Automatic Transmission Tools	55

Ball Pein Hammers	43
Battery Tools	42
Body Repair Tools	50-54
Boxes, Tool	17, 18, 19
Box Wrenches, All Types	18
Brake Service Tools	36
Bronze Hammers	38
Brushes, Steel Wire	38, 68

Camber, Caster Wrenches	36
Carbon Scrapers	68
Carburetor Tools	31
Chisels	44
Chrysler Spec. Tools	36
Combination Wrenches	22-23
Connecting Rod Sockets	8
Cutter, Muffler & Tail Pipe	45
Cutting Pliers	32, 34
Cutter, Tube	61

Diagonal Pliers	32, 34
Distributor Tools	28
Dolly Blocks	51
Door Handle Tools	52 & 54
Drain Plug Wrenches	41
Drill Bits	46

Electrical & Ignition	
Wrenches	28 & 29
Electrical Pliers	32-35
Engineers Wrenches	24
Extractors, Screw	49
Electrical Test Equipment	68-71
Extractors, Stud	59

Feeler Gauges	64
Files and Holders	52 & 53
Flare Nut Wrenches	61
Flaring Tool	61
Flex Box Wrenches	21

	Page
Gauges, Feeler	64
Gauges, Carburetor	31
Gear Pullers	56, 57
Grease & Lubrication Tools	40, 41

Hack Saw Frame & Blades	47
Hammers	43
Hi-Speed Drills	46
Hold-it Sockets	4

Ignition & Electrical	
Wrenches	28 & 29
Impact Sockets	16

Jimmy Bars 44

Lubrication Tools40, 41

Magnetic Pick Ups	62
Mallets, Rubber	38
Manifold Wrenches	30
Metric Tools	27
Multiscope	65

Nylon Hammers 43

Offset Screw Drivers	48
Offset Wrenches	24
Open End Wrenches	24

Phillips Screw Drivers	49
Pick Up Tools	62
Pipe Wrenches	25
Piston Ring Tools	62
Pliers, All Types	32-35
Pry Bars	44
Pullers	58-60
Punches	44
Push Pull Rules	53
Putty Knives	67

	Page
Ratch-A-Daptor	9
Ratchet Handles	2, 5, 9
Rethreading Tools	60-61
Rim and Tire Tools	38, 39
Ring Compressors	62
Rollway, Workshop	17-18
Rubber Head Hammers	38
Rules, Push Pull	45

Scrapers	67
Screw Drivers, All Types	48, 49
Screw Extractors	49
Screw Starters	49
Service Station Sets	40
Service Station Tools	39
Slide Hammer Puller	58
Socket Sets, All Drives	2-19
Socket Wrenches, 1/4-3/8-1/2-3/4 & 1" Drive	2-19
Sound Detector, Multiscope ..	65
Spark Plug Gauges	64
Spark Plug Tools	11
Speeder Handles	5
Spoons, Body	51
Starter Wrenches	30
Steel Rules	53
Stud Pullers	59
Extractors	49-59

Tail Pipe Cutters	45
Tappet Adjuster	27
Tappet Wrenches	27
Thread Restorers	60 & 61
Thickness Gauges	64
Tin Snips	47
Tire and Wheel Tools	37-39
Torque Wrenches	63
Tube Cutter	61
Twist Drills	46
Testers Vacuum & Fuel Pump	71
Testers Compression	71

Wheel Puller	58
Wire Brushes	68
Whiz Bits	45
Wrenches (See Specific Kind or Type)	



●
BROADEST COVERAGE OF MECHANICS' NEEDS AT
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TIME, LABOR AND ENERGY

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BUY WITH CONFIDENCE BECAUSE HERBRAND TOOLS
ARE BACKED BY BOTH THE MANUFACTURER AND
JOBBER
●